

## Historic, archived document

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78 TH YEAR 1954

# Vaughan's GARDENING ILLUSTRATED

CHICAGO, 10 W. RANDOLPH ST.

NEW YORK, 47 BARCLAY ST.

# 4 NEWEST All-America Winners→



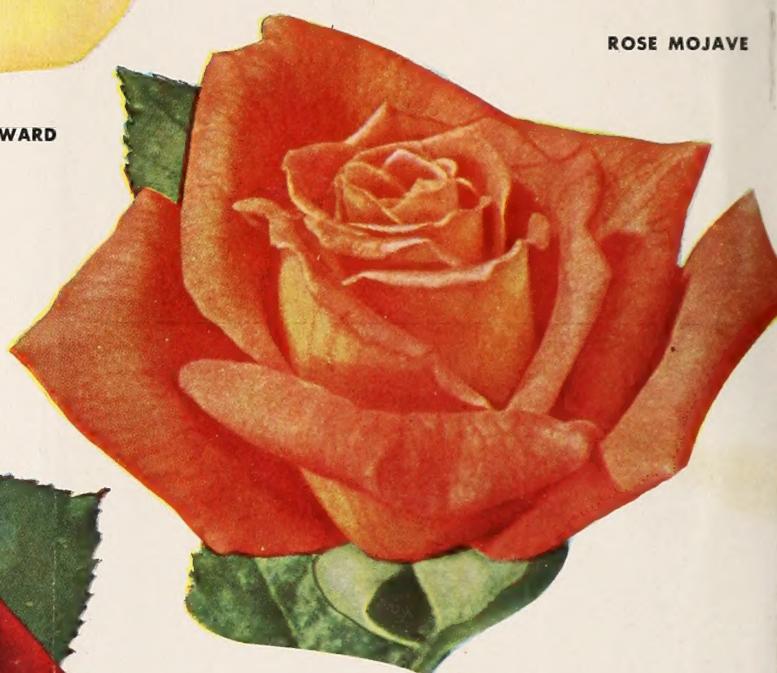
FRED HOWARD

**FRED HOWARD. AARS 1952.** (Pat. 1006). Exceptionally strong and hardy, it blooms steadily from early spring to late fall. Flowers have exceptional keeping qualities and pleasing fragrance. \$2.50; 3 for \$6.75.



CHRYSLER IMPERIAL

**CHRYSLER IMPERIAL. AARS 1953.** (Pat. 1167). We believe this beautiful rosé, with its lovely form, brilliant color, rich fragrance and remarkable keeping qualities when cut, will head the list of all red roses for a long time. \$2.75; 3 for \$7.50.



ROSE MOJAVE

**MOJAVE. AARS 1954.** (Pat. 1176). The finest orange colored rose yet introduced. Lots of beautifully formed buds and a big vigorous plant which tests have proved to be good in all areas. \$3.00; 3 for \$8.25.



HELEN TRAUBEL

**HELEN TRAUBEL. AARS 1952.** (Pat. 1028). Everybody is singing about the unusually large, long and tapered buds which open into big, delightfully fragrant flowers. Tall, bushy plant that grows well everywhere. \$2.75; 3 for \$7.50.

ILLUSTRATED ON OPPOSITE PAGE

# 4 ROSES

ALL-AMERICA WINNERS

## The Plants We Offer Are Not Southern Roses

They are No. 1 2-year budded plants, grown on the Pacific coast, the very finest plants obtainable. Each plant has three or more canes, 18 inches long or longer, proving their vigor. You will know the difference between these top grade plants, and lower priced plants, when they begin to grow in your garden, where their abundance of fibrous, flexible roots enable them to become established quickly and bloom early.

All these Roses will bloom in your garden this summer, if planted according to simple directions furnished with the plants. Plant dormant Rose bushes as soon as the soil thaws and dries out enough to be prepared properly.

## FAMOUS PATENTED FLORIBUNDAS

4 FOR \$5.75

OFFER C-44—One each as listed below (value \$6.50) for \$5.75. (Postage additional 45c up to 300 miles.)

**FASHION AARS** 1952. (Pat. 789). An unusually beautiful Floribunda that brings an entirely new color into the rose world. A sparkling coral-pink, overlaid with gold, which softens to a clear coral and then deepens to reddish tones at the finishing stage. Pointed, Oriental red buds open gradually into lovely, miniature Hybrid Teas up to 3½ inches across. Old rose fragrance. \$2.00; 3 for \$5.50.

**GOLDILOCKS.** (Pat. 672). Very double, bright golden yellow flowers, in heavy clusters, always in bloom. Wild rose fragrance. \$1.50; 3 for \$4.25.

**PINOCCHIO.** (Pat. 484). Profuse bloomer in immense clusters with delightful flowers of a changeable two-tone pink color. Buds long and pointed, open flowers like miniature hybrid teas. \$1.50; 3 for \$4.25.

**RED PINOCCHIO.** (Pat. 812). Prolific producer of 3½ inch flowers of velvety deep red in large, long lasting, unfading clusters. Wild rose fragrance. \$1.50; 3 for \$4.25.

## NEW SUB-ZERO HYBRID TEA

**ORANGE RUFFLES** (Pat. 1124). One of the most beautiful and delightfully fragrant Roses of all time. A gorgeous new tone of orange never before found in Rosa. It is luminous like glowing sunshine in the rain. Large flowers mostly single on stems constantly in great abundance. As many as 50 petals gracefully warped, curled, frilled and ruffled, artfully shading from orange through to saffron yellow. Not subject to blackspot. Each \$2.00.

**SUB-ZERO**  
**Roses**  
**4 for \$6.75**

One each **Pink Princess, Queen O' The Lakes, Tip Toes and V for Victory.** Offer C-34.  
(Postage additional 45c up to 300 miles.)

## Everblooming Hybrid Tea Roses

A new race bred from Northern native species that have beautiful flowers and that bloom freely and constantly all summer. They are easy to grow, have great vigor and live for many years, even in sub-zero winters. Prices: \$1.85 each; 3 of one kind \$5.25.

**PINK PRINCESS** (Pat. 459). Red buds open to large double, high centered, fragrant flowers of deep rose-pink with copper shadings. Famous as the first Hybrid Tea rose, free from premature defoliation.

**QUEEN O' THE LAKES.** (Pat. 1003) This one is a dandy with blooms that are much like Crimson Glory, one of its parents. A free blooming crimson red rose named for the Queen of Minnesota's Aquatic Sports. No diving beauty could have more grace or elegance of form than this crimson queen of flowers. Fruity fragrance; shining healthy foliage.

**TIP TOES** (Pat. 849). A wonderful performer, on its toes, nearly always in bloom. Its large flowers have petals of a brilliant mixture of red, orange and pink tints, with enjoyable sweet spicelike fragrance. Very much liked. Tall, strong grower.

**V FOR VICTORY** (Pat. 543). One of the finest roses in existence. The color is a real yellow, with fragrant, unfading flowers developing from fine buds. The flowers are very double, are on long stiff stems and are excellent for cutting.

THESE THREE FOR \$7.25

OFFER C-14—One each Chrysler Imperial, Fred Howard and Helen Traubel (value \$8.00) for \$7.25. (Postage additional 40c up to 300 miles).

ALL FOUR WINNERS \$9.85

OFFER C-24—One each Chrysler Imperial, Fred Howard, Helen Traubel and Mojave (value \$11.00) for \$9.85. (Postage additional 50c up to 300 miles).



QUEEN O' THE LAKES

All Roses are shipped via express from Western Springs, Ill. or may be shipped via parcel post if postage is sent. Allow 1½ lb. for each plant. See order blank for postage rates. (No Roses shipped C. O. D.)

## 3 Sub-Zero Floribunda Roses for \$5.00.

Offer C-54—One each as listed below (value \$5.55) for \$5.00. (Postage additional 40c up to 300 miles). Each \$1.85; 3 of one kind \$5.25.

**CURLY PINK.** (Pat. 842). You will love this rose for it is one of the finest of all pinks. We know of no other variety that can match it in the combination of size and form of bloom, beauty of cluster; constancy, vigor and foliage; hardiness, performance and also fragrance. When established, many large, very double, two-toned, rich rose-pink blossoms, of hybrid tea size, form a gorgeous bouquet on a single stem.

**KING BOREAS.** (Pat. App. For). The very double, fragrant lemon-yellow flowers, borne singly or in candelabra clusters, are abundant from June to November. Vigorous grower; beautiful glossy foliage.

**LAFTER** (Pat. 955). A consistently good rose producing loads of semi-double blooms, in clusters, of sparkling orange, coral, copper and yellow. Fragrant. Tall, vigorous grower. Resistant to blackspot.

# 7 HARDY Garden CHRYSANTHEMUMS

POSTPAID FOR

\$4.25

All seven are our pick of new varieties which have proved their earliness, hardiness and decorative value for garden planting. We can recommend them for all these qualities, in addition to their beauty.

## OUTSTANDING LARGE FLOWERS

**AVIATOR.** New shade of coppery red. 2'. Early. Each 80c, 3 for \$2.00.

**FLEUR.** Full double amaranth purple. 1½'. Early. Each 75c, 3 for \$1.90.

**ORCHID SPOON.** Large soft blush of orchid. 2½'. Early. Each 75c, 3 for \$1.90.

**ORCHID HELEN.** Very large pink orchid. 2'. Early. Each 80c, 3 for \$2.00.

**OLIVE LONGLAND.** Large double salmon-orange on 20" stems. Very early. Each 75c, 3 for \$1.90.

**SEQUOIA.** Large double mellow amber. 2'. Early. Each 60c, 3 for \$1.50.

**SKI TRAIL.** Large double white with lemon-yellow center. 2½'. Mid-season. Each 80c, 3 for \$2.00.

**COLLECTION No. 1 A.** 1 each of above 7 for \$4.25

## New Azalea-Like Mums

Seven Varieties for \$3.85

Compact, mound-like plants which blossom very early, and are covered with flowers for a long season.



RED CUSHION

**CHAMPION.** Deep reddish bronze. 1-1½'. Early. Each 60c, 3 for \$1.50.

**MAJOR CUSHION.** Bright salmon-pink. 1-1½'. Early. Each 80c, 3 for \$2.00.

**GOLDEN POMPONETTE.** Dark golden pompon. 1-1½'. Early. Each 75c, 3 for \$1.90.

**LAVENDER CUSHION.** Lavender pink. 1-1½'. Early. Each 80c, 3 for \$2.00.

**HARVEST MOON.** Full double, bright golden bronze. 1-1½'. Early. Each 60c, 3 for \$1.50.

**SUNBEAM.** Buttercup yellow. 1-1½'. Mid-season. Each 60c, 3 for \$1.50.

**ESKIMO.** Full double, white. 1-1½'. Mid-season. Each 75c, 3 for \$1.90.

**COLLECTION No. 1D.** 1 each of above 7 for \$3.85

## Field Grown 1 year old Chrysanthemum Plants

All our plants are grown in light, sandy loam and have clean, healthy roots, free from decay or disease. They are grown outdoors and come to you hardened to outdoor temperatures and conditions. All roots and runners are intact and the plants will bloom the first season. All varieties listed have proved their hardiness in the latitude of Chicago, Ill.

## Five Favorites, \$2.40

The hundreds of blooms on these low spreading plants make them the Mum favorites of flower lovers.

**BRONZE.** Deep bronze flowers. 1-1½'. Early. Each 60c, 3 for \$1.50.

**PINK.** Light pink flowers. 1-1½'. Early. Each 60c, 3 for \$1.50.

**RED.** Deep glowing red flowers. 1-1½'. Early. Each 60c, 3 for \$1.50.

**WHITE.** Pure white flowers. 1-1½'. Early. Each 60c, 3 for \$1.50.

**YELLOW.** Golden yellow flowers. 1-1½'. Early. Each 60c, 3 for \$1.50.

**COLLECTION No. 1C.** 1 each of above 5 for \$2.40

## Time Tried Varieties

### Five Plants for \$2.85

These are free-flowering varieties still outstanding in their color classes.

**ALGONQUIN.** Large clear yellow. 2'. Early. Nice fragrance. Each 60c, 3 for \$1.50.

**AUTUMN LIGHT.** Coppery bronze, orange overcast, semi-double flowers. 1½'. Early. Each 60c, 3 for \$1.50.

**PINK DREAM.** Semi-double dazzling pink flowers. 2-2½" diameter. 1½'. Early. Each 80c, 3 for \$2.00.

**POLAR ICE.** Large clear glistening white. 2'. Early. Each 75c, 3 for \$1.90.

**RED VELVET.** Velvety dark crimson. 2'. Early. Each 75c, 3 for \$1.90.

**COLLECTION No. 1B.** 1 each of above 5 for \$2.85

## Pompon or Button

These are among the hardiest and thriftest of all, and their small double flowers are highly decorative both in the border and in cut flower arrangements.

**PYGMY GOLD.** Miniature golden-yellow flowers. 1" in diameter. Good border plant. 1½'. Early. Each 60c, 3 for \$1.50.

**WINE RED BUTTON.** Clear wine red. 2-2½'. Mid-season. Each 60c, 3 for \$1.50.

**WHITE DOTY.** A splendid pure white. 2½'. Mid-season. Each 60c, 3 for \$1.50.

**PINK DOTY.** An outstanding pink. 2½'. Mid-season. Each 75c, 3 for \$1.90.

**OURAY.** Bushy plant. Yellow with deep red and orange. 2'. Early. Each 60c, 3 for \$1.50.

**COLLECTION No. 1E.** 1 each of above 5 for \$2.60



AVIATOR

## Phlox Plants

We have an unusually fine assortment of field grown plants. These are well rooted one-year old plants, guaranteed true to name.

**AFRICA.** 2-2½' Midseason. Dazzling, deep scarlet.

**BORDER QUEEN.** 1½-2'. Early. Huge compact trusses of pure pink.

**CHARLES CURTIS.** 2½-3'. Midseason. Beautiful sunset red.

**DAILY SKETCH.** Early. Salmon pink. Crimson eye.

**HARVEST FIRE.** 2-2½'. Late. Large, fiery orange.

**MARIE LOUISE.** 2-2½'. Midseason. The best large pure white.

**MRS. E. PRITCHARD.** 2½-3'. Midseason. An exquisite blue.

**PRIME MINISTER.** 2½-3'. Late. White with crimson eye.

**One each of the above 8 varieties, \$3.60**



AFRICA PHLOX

YOU CAN GROW LARGEST

# DAHLIAS

8 CHAMPION VARIETIES OF  
RAINBOW COLORS \$3.95

One Each of the Following Varieties (VALUE \$7.50)

VARIETIES listed below are all late introductions, sold not long ago for as much per tuber as we ask for this collection. From these tubers, flowers of the largest size can be grown, by following the culture and disbudding instructions which we send.

Dozens of new varieties are introduced each year and enjoy a brief acclaim, but relatively few are able to win a permanent place at the top. All those on this page are proven champions having demonstrated their merit in the garden and on the exhibition tables. Besides large size and fine coloring, they have the qualities of vigorous growth and free flowering. You can depend upon growing them, if you follow the simple methods in our instructions.

**AGLOW.** I. D. 10". Warm Amber heavily suffused with scarlet. Each \$1.00

**BERGER'S MASTERPIECE.** I. C. 8". Lavender Pink with yellow base. Each \$1.00

**CLARIAM KELTON.** I. D. 10". Flame Red blended with yellow. Each \$1.00

**FANTASTIC.** C. 8". Dark Red with salmon glow. Each 75c.

**MAYOR OTIS.** I. D. 12". Giant Copper and Bronze shades. One of the largest and best. Each \$1.00

## FANCY-LEAVED CALADIUM BULBS

MIXED. 6 for \$2.00; doz., \$3.75.  
No order accepted for less than 6.

DELIVERY FEB. 15th TO JUNE 1st.



The fancy-leaved Caladiums are gorgeous plants for window-boxes or semi-shady places in the garden. They like a well drained, rich soil but do well in good garden soil if it is not too heavy. Start the bulbs inside in pots covering with one inch of soil. Water sparingly until growth commences, then water liberally. Plant out after danger of frost is over.



FANTASTIC

**PURPERSLAK.** F. D. 9". Dark Lilac purple. Each \$1.00

**SYDNEY.** I. D. 12". Rose Pink shaded with Salmon. Huge and very showy. Each \$1.00

**WHITE WONDER.** I. D. 10". Pure White, prolific bloomer. Each 75c.

One Each of these above 8 Varieties  
Price \$3.95 Postpaid (\$7.50 Value)

## Cannas for Gay Summer Beds

Cannas are becoming more popular. The new varieties with large flowers in new colors are unequalled for creating a colorful show from July till frost. They do best in full sun and respond quickly to feeding.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants, one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row.

**CITY OF PORTLAND.** 3½ ft. Compact, luxuriant, dwarf growth. Leaves green. Flowers rosy pink.

**HUNGARIA.** 3½ ft. Best pink Canna. Leaves bluish green, never burn. Flowers large, with big petals.

**KING HUMBERT.** 4 ft. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has long been the favorite red.

**THE PRESIDENT.** 4 ft. A rich glowing scarlet on strong stalks; green foliage.

**YELLOW KING HUMBERT.** 4 ft. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red.

### PRICES OF ABOVE

**DORMANT 1-3 EYE ROOTS.** Available March 1 to May 15; 3 for 75c; \$2.00 per doz., \$14.00 per 100.

### CHOICE CANNAS

**COPPER GIANT.** 4 ft. The finest variety we know. Its giant flowers borne on strong stalks with green foliage are of a vivid hue, with great carrying power, of madder red and old rose with a suggestion of burnished copper in the mass effect.

**DOROTHY S.** 4 ft. A beautiful salmon red. Green foliage. Produces large flowers on very vigorous plants.

**EUREKA.** 4 ft. Free-flowering variety with striking white flowers which first appear cream. Green foliage.

### PRICES OF ABOVE

**DORMANT 1-3 EYE ROOTS.** Available March 1 to May 15; 3 for 90c; \$2.50 per doz., \$17.00 per 100.



CANNA THE PRESIDENT

A vigorous plant that bears large flowers of bright red.

# BIGGEST Everbearing STRAWBERRY

Bears Luscious Fruit  
From Early June  
Until Frost

## EVERBEARING

**RED RICH** (Plant patent No. 993). The Amazing Wonder Strawberry. Bears and bears from early June until frost. Big, juicy, firm fruit loaded with that rich Strawberry flavor. Unsurpassed for freezing. The supply is limited so order today. Price: 12 for \$2.95; 25 for \$5.00; 50 for \$8.50; 100 for \$15.00. All plants guaranteed. No orders accepted for over 100 plants.

**SUPERFECTION**. Easy to grow, yields good crop first year. Crops all summer and fall. One of the most popular of the everbearers. Deep red and extra delicious. Price: 25 for \$2.25; 50 for \$4.00; 100 for \$6.25; 250 for \$14.00; 500 for \$22.50.

## JUNE BEARING

**JUMBO** (Midseason). All American June bearer. Jumbo has everything the home gardener and commercial grower demand. Deep red, honey-sweet, good for freezing and the heaviest yielding berry known. Price: 25 for \$2.25; 50 for \$3.50; 100 for \$6.25; 250 for \$10.95; 500 for \$17.75.

**ARMORE** (Late). Big is the word for Armore. Big producer, big berries. Good shipper. Unrivaled for sweetness and flavor. Price: 25 for \$1.95; 50 for \$3.25; 100 for \$5.75; 250 for \$9.70; 500 for \$15.25.



Strong Field Grown Plants, Shipped from Early Spring up to May 15.

**VERMILION** (Early). Tops the list in quality. Glossy bright red. Medium size. Resistant to Red Stele and Leaf spotting diseases. Price: 25 for \$1.95; 50 for \$3.25; 100 for \$5.75; 250 for \$9.70; 500 for \$15.25.

**DUNLAP** (Midseason). An old favorite, popular for many years. Bright red all through, exceedingly juicy. A success in all areas.

Price: 25 for \$1.40; 50 for \$2.10; 100 for \$3.25; 250 for \$6.75; 500 for \$10.50.

**PREMIER** (Early). One of the best early June berries. Top producer, medium to large fruit of good quality. 25 for \$1.70; 50 for \$2.50; 100 for \$3.75; 250 for \$8.00; 500 for \$12.50.

ALL OF THE ABOVE PRICES ARE POSTPAID

## YOUR GARDEN CENTERPIECE . . . FOR FRONT YARD OR BACK

## PYRAMID

## CIRCULAR TERRACED GARDEN

In one-third the space of the conventional garden method you can enjoy an abundant full season growth of everbearing Strawberries with a PYRAMID circular terraced garden. Easy to pick from—easy to care for, this attractive garden adds real beauty and practical value to any garden or landscape. Perfect too, for low growing perennials. Made of tough aluminum alloy it will not rust or corrode. Merely fill first ring with rich soil, trample. Repeat for remaining terraces.

AVAILABLE IN TWO SIZES:

**LARGE SIZE.** (Four terraces—6 ft. diameter, perfect for 50 everbearing Strawberry plants) . . . . . \$9.95



**JUNIOR SIZE.** (Three terraces—4 1/2 ft. diameter, ideal for center planting of perennials—flowers of all kinds) . . . . . \$7.95

6 SUPPORT STRIPS (Large Plant Pyramid Only) . . . . .	\$3.95
COVER (Plastic) (Large Plant Pyramid Only) . . . . .	5.95
NET (Mesh) (Large Plant Pyramid Only) . . . . .	5.95
SPRINKLER (Complete with copper tubing and all connections) . . . . .	4.95

PRICES ARE POSTPAID

## HELPFUL ACCESSORIES



**COVER or NET** — aluminum support strips illustrated holds plastic cover as miniature greenhouse for early planting or frost protection. Net is used during growing season to protect from birds.

**SPRINKLER**—comes complete with copper tubing, nozzle and hose connection. Covers entire bed. (Optional).



**SPRINKLER**

# Luxurious MERION BLUE GRASS LAWN Most Economical You Can Grow

Wherever blue grass grows, the new Merion blue grass is acclaimed as the finest lawn grass yet discovered, producing a thick, fine, deep green turf, like the yielding cushion of a long pile carpet, while resisting disease, crowding out weeds, and requiring less care than any other comparable fine lawn grass.

Beneath its beautiful surface lies the secret of its vigor—long roots and many rhizomes, the creeping stems which spread underground over a wide area and come up to form new top growth, developing the thickest stand of any comparable grass. The illustration tells the story.

Once established, Merion does not have to be reseeded annually to maintain its cover. Other superiorities recited with enthusiasm by those who have grown it are:

Spreads faster than Kentucky blue grass, stands closer mowing, resists heat and drouth, crowds out crab grass, holds its dark green color in the hottest weather with less water than other grasses.

You can have a Merion lawn with little, if any greater cost for seed, with annual savings for years to come in reduced upkeep. We offer seed grown from originator's stock, either straight or in a formula mixture.

For spring sowing, Merion formula has the advantage that it will germinate faster and provide a green cover more quickly, while Merion gradually takes over the entire area.



## SOURCE OF MERION'S VIGOR IS UNDERGROUND

Compare the upturned sod of Merion Blue Grass, on left, with Kentucky Blue Grass, on right. The white runners so numerous on Merion, so few on its parent grass, are rhizomes—creeping stems—which spread underground and come up to produce new top growth over a large area, thickening the turf, crowding out weeds. Merion roots go deeper, making it resistant to drouth, and holding its color in hot weather.

## MERION BLUE GRASS FORMULA—100% PERENNIAL GRASSES

Contains by weight:

42% Merion Blue Grass 38% Penn State Chewings Fescue 10% Highland Bent 10% Red Top  
Due to small seed this gives over 900,000 seeds of Merion in one pound of formula.  
1 lb. \$3.00; 3 lbs. \$9.00; 5 lbs. \$14.75; 10 lbs. \$29.00.

Produces thicker turf, stays greener all summer and stands closest mowing. 1 pound covers 750 sq. ft., 3 times as much as standard blue grass, costing no more to sow an equal area.

**42% MERION BLUE GRASS**, propagated from a single plant selection, which has demonstrated in trials throughout the country ability to stay green all summer, stand close mowing, and resist leaf spot and other diseases.

**38% PENN STATE CHEWINGS FESCUE**, improved strains of Fescue and tested for ability to stand close mowing. Spreads by root runners, and matches the texture of Merion blue grass.

**10% HIGHLAND BENT**, dry land bent, drought and disease resistant and not requiring the care of creeping bent, it spreads underground and makes a thick turf, spreading quickly.

**10% RED TOP**, a nurse grass to control weeds until Merion Blue Grass takes over.

## MERION BLUE GRASS

For those desiring straight Merion Blue Grass we offer up to a maximum of 10 lbs. per customer due to the limited quantity. One lb. treated with a fungicide to improve sprouting and growth in adverse weather will sow 750 sq. ft. 1 lb. \$4.90; 3 lbs., \$14.70; 5 lbs., \$24.25; 10 lbs. \$48.00, all postpaid.

**FOR OTHER GRASSES SEE PAGE 96**

## VAUGHAN'S "PARKS" MIXTURE

Less than half a normal crop of Kentucky blue grass was harvested last year. This caused a sharp increase in prices of this grass, which is the basis of our time-tried Parks Mixture.

Whenever a lawn is desired which combines the maximum of beauty and economy with a minimum of care, we recommend this mixture. Its basis is the finest Kentucky blue grass, which is combined with other suitable grasses in the proper proportion to produce a fine permanent turf. White clover is not included in this mixture, but it can be ordered separately. In one pound of Vaughan's "Parks" Lawn Seed there are 3,682,560 seeds. 1 lb., \$1.65; 2 lbs., \$3.30; 3 lbs., \$4.90; 5 lbs., \$8.10; 10 lbs., \$16.00; 15 lbs., \$23.90; 20 lbs., \$31.75; 25 lbs., \$39.50; 100 lbs., \$154.00.

## NEW ZEALAND WHITE CLOVER

Price  $\frac{1}{2}$  lb., \$1.10; 1 lb., \$2.00; 3 lbs., \$5.85; 5 lbs., \$9.50; 10 lbs., \$18.00; 25 lbs., \$43.75;

## MEYER ZOYSIA, NEW GRASS FOR HOT-SUMMER LAWNS



### PLUGS SET OUT

### SET IN YOUR LAWN THIS YEAR, THEY WILL COVER COMPLETELY BY NEXT YEAR

These are the features which make Zoysia Meyer superior for lawns in hot climates:

### Eliminates Crabgrass and Summer Weeds

They will not come up through its dense turf.

### Makes a Dense Turf that Mows Short, Grows Slowly so Requires Less Cutting

Will stand as short a cutting as a lawn mower can be set for.

### Builds a Permanent Lawn

Improves year after year.

### Flourishes in Hot Summer Sun

Will not grow in continually shaded areas.



### SPREADING BEGINS

### Drought and Disease Resistant

Will go weeks without water and yet shows no browning.

### Grows Well in Both Acid and Alkali Soils

The main objection to Zoysia is that with the first frost it turns brown and does not green up until spring.

Zoysia sod sufficient to plant plugs over 50 sq. ft. on 1-foot centers, \$5, prepaid.

Shipments will be made after May 1st  
Zoysia sod sufficient to plant plugs over 100 sq. ft. on 1-foot centers, \$10, prepaid.

Shipments will be made after May 1st

# Newer Vegetables

## SPECIAL OFFER No. 1

One pkt. each of the following six varieties listed on this page (\$1.60 value) prepaid for \$1. This includes Bouquet Hybrid Sweet Corn, Matchless Lettuce, Manalucie Tomato, Contender Bean, The Vaughan Hybrid Cucumber, and Wando Pea.

### Long Ear of Finest Flavor

**C101. Bouquet Hybrid Sweet Corn.** 75 days. In sweet corn, above all, flavor counts. No matter what other merits an ear may have, if it is lacking in flavor the gardener who looks forward eagerly to that first bite is going to be disappointed. Bouquet is extremely sweet and tender, and has these other merits: Nine inch 12 rowed ear, with two ears on each 6-foot stalk. It is disease resistant also. Far superior in flavor to earlier varieties, it will give you the first taste of the season of truly delicious corn. We rate it the best of its season yet produced. Pkt., 25c;  $\frac{1}{2}$  lb., 60c; lb., \$1.10; 2 lbs., \$2.10.

 Bouquet Sweet Corn

### Best Home Garden Bean

**B-23 Contender.** 49 days. Of all the new beans introduced the last few years Contender stands out as best for the home garden. Equal to any in stringlessness and quality, it excels in yield over its long harvest season. Pkt., 25c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.45.



B-23 Greenpod Bush Bean Contender, Pkt., 25c

## Lettuce of Bibb Quality All Summer

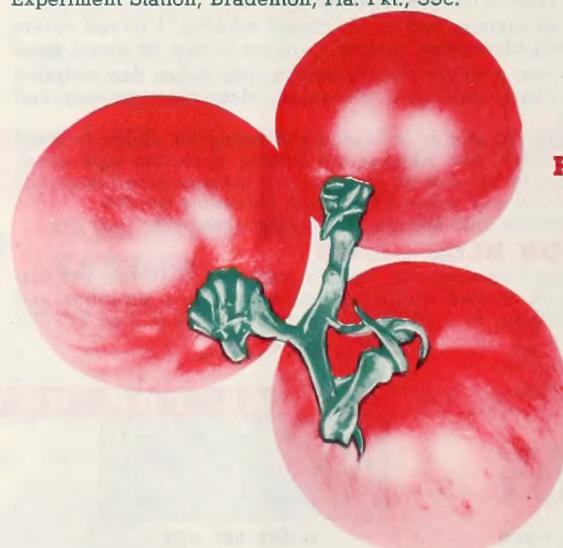
**L-9. Matchless Lettuce.** 55 days. Here is the lettuce both gourmets and home gardeners have dreamed about. It has the quality of Bibb, to which professional salad experts give top rating, yet can be harvested all summer from the home garden without loss of quality. In contrast, Bibb bolts to seed with the first warm weather. Matchless matures quickly and a succession of sowings will keep you supplied from early spring until winter. The picture of Matchless herewith was taken in our trials last August, an exceptionally hot and dry one, yet the plants showed no signs of bolting and quality was superb. It grows into a loose cluster of slender leaves shaped like a deer's tongue, thick and crisp, with a heavy midrib, equalling Bibb quality on all counts. We have never seen its equal and believe it is the finest lettuce yet introduced. Don't fail to try it. Pkt., 25c; Oz., \$1.00;  $\frac{1}{2}$  lb., \$3.00.



L-9. Matchless Lettuce, Pkt., 25c

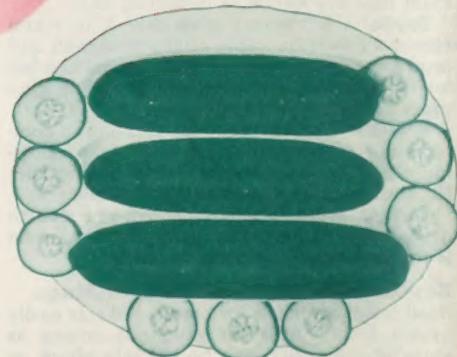
### Quality Tomato Immune to Most Diseases

**T-20 Manalucie.** 86 days. Seldom are quality and freedom from disease combined in the same variety, but this tomato has both. It was the outstanding variety in our trials last summer, bearing heavily good size fruits, deep and fleshy, with a flavor combining sugar, acid and the tomato taste in a delicious blend. It was bred to resist practically all troubles, including early blight, blossom-end rot, cracking, wilt, and others you never heard about, it does all that. Dr. James M. Walter and David G. A. Kelbert produced it at Gulf Coast Experiment Station, Bradenton, Fla. Pkt., 35c.



### Harvest Peas Through July and August

**P-17 Wando Pea.** 64 days. Where spring is short and summer hot, peas have so brief a season the harvest is counted by days. But here is a wrinkled pea, of excellent quality, which thrives and bears through the hottest summer months. Sow every three weeks for a supply all summer. Excellent for freezing, also. Pkt., 25c;  $\frac{1}{2}$  lb., 45c; lb., 75c; 2 lbs., \$1.35.



### Slenderest Cucumber Gives Long Yield

**C-174 The Vaughan Hybrid Cucumber.** 65 days. Here is the ideal cucumber in appearance—long, dark green, and slender. When you add F-1 hybrid vigor and resistance to the mosaic disease, which cuts short the life of so many varieties, you insure a big harvest spread over a long season, just what the home gardener requires. It is the best of all the hybrids in our opinion, and especially fitted for climbing a fence or trellis in the small garden, where it gives a maximum yield for the space occupied. Pkt., 25c;  $\frac{1}{2}$  oz., \$2.75; oz., \$5.00.

C-174 The Vaughan Hybrid Cucumber, Pkt., 25c



B-11 Pole Bean Blue Coco. Pkt. 25c.

## Blue Beans for Gourmets

**B-11 Pole Bean Blue Coco.** 65 days. Would you believe that this bean, with blue-purple pods of the irregular shape pictured, is the best flavored bean in the world? Many gourmets think it is, though it would not get a second glance from a chain store buyer or garden show judge. It is an old French pole bean, revived by the late Eleanor Rohde of England, who said nothing new by scientific breeders had ever equaled it. Pods that grow 9 inches long, on vines 15 feet tall, should be picked when 6 inches long for top quality. They are decorative as well as delicious. Vines are resistant to bean diseases and thrive in dry weather. The pods turn green, when cooked. Pkt., 25c;  $\frac{1}{2}$  lb., 65c; lb., \$1.15.



R-9 Radish Cherry Belle. Pkt., 25c.

## Warm Weather Radish

**R-9 Radish Cherry Belle.** 25 days. The seed we offer is imported from Holland where it was grown by the originator A. R. Zwaan & Sons. In spite of its fast growing earliness, this new variety from Holland is slow to turn pithy the way other earlies do. Actually it reaches its best quality when the soil begins to warm up, so you can harvest several crops before hot weather. Round as a cherry and just as red, it has short tops and thrives in any garden soil. It won an All America bronze medal. Pkt., 25c; oz., 35c;  $\frac{1}{2}$  lb., \$1.00;  $\frac{1}{2}$  lb., \$1.75.



P-66 Wisconsin Lakes Pepper. Pkt., 35c.

## Heavy-yielding Wisconsin-bred Early Pepper

**P-66 Pepper Wisconsin Lakes.** 68 days. Research scientists in Wisconsin bred this early maturing pepper, which can be picked in the green stage a week earlier than California Wonder. The plants grow 18 to 21 inches tall and hold the fruits upright, in an easy-to-pick position. In either heavy or sandy soil it outyields later varieties. Fruits ripen to a bright scarlet. This new variety was developed by O. B. Combs from a plant selection taken from a planting of Asgrow King. Leaves are medium to small, dark green, and the well branched plants shade the stems enough to prevent sunscald. Pkt., 35c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.85.



Hybrid Sweet Spanish Onions in Cook County, Ill.

## Harvest Sweet Spanish Onions in August

**O-37. Hybrid Sweet Spanish Onion Plants.** Any home gardener will get a thrill from growing giant Sweet Spanish onions to a weight of two pounds in his own garden and harvesting them in August, weeks before other onions reach maturity. The secret of both earliness and size is found in hybrid vigor, that strange power possessed only by the first generation offspring of pure bred parents. Years of successful research by both state and national experiment stations produced the parent strains which are responsible for this hybrid onion. The bulbs in the illustration were grown in ordinary garden soil near Chicago, Ill. Onions weighed more than two pounds each and were ready to harvest August 20. We offer green plants of Hybrid Sweet Spanish for home garden use, to be shipped April 15 and after, prepaid for 65c per bunch sufficient to plant 30 feet of row.

## Rhode Island Red Early Watermelon

**M-44 Rhode Island Red Watermelon.** 82 days. Bred for the Rhode Island climate, where spring comes late, this melon is an outstanding addition to the small group that mature early enough for northern home gardens. Dr. Desmond Dolan of the Rhode Island Experiment Station crossed Dixie Queen with Honey Cream to produce a hybrid which bears fruit of ice-box size, with the sweetness of Georgia's biggest and best. The oval fruits are 8 to 12 pounds and have a good, firm rind. The bright red flesh is smooth and of fine texture, solid and crisp with comparatively few seeds. Pkt., 35c;  $\frac{1}{2}$  oz., 50c; oz., 85c;  $\frac{1}{4}$  lb., \$2.20.



## New Early Round-head Cabbage Defies Disease

**C-2 Badger Market Cabbage.** 65 days. New for 1954. This grows as large and as fast as the variety Racine Market which it resembles in color and equals in quality. It will hold this quality even longer in the field, however, without splitting, thus prolonging the harvest. Pkt. 25c.

M-44 Watermelon Rhode Island Red. Pkt. 35c.



T-19 TOMATO GIANT TREE. Pkt., 50c.

### Talk About Hybrid Vigor, Giant Tree Excels It!

**T-19 Tomato Giant Tree.** (Italian Potato Leaved) 90 days. Talk about vigor! We have never seen a hybrid which can approach the vigor of growth shown by our Giant Tree tomato, which produces the largest fruit and the most prolific vine growth of any we know. Neither a hybrid nor a tetraploid, it has no up-to-date scientific help to give it magic strength; it just comes naturally. And with its vigor is combined the highest table quality.

For proof read these 1953 testimonials:

Harold E. Willmsen, Grand View, Washington: "This spring I purchased a packet of Giant Tree tomato seed and can really say I had something. Planted primarily for shade, but when I tasted it, it removed all doubt that it was just another novelty. We had several fruits that weighed 37 ozs. but the average was 1-1½ lb. People came for miles to see them and those that tasted them said they couldn't be beat. Combining shade, quality and yield, it certainly can be called a utilitarian tomato."

Mrs. Charles Bishop, Canandaigua, N. Y.: "I thought you might be interested in the enclosed snap-shot of your Giant Tree tomato. It grew to a height of 10 feet. I had to use a step ladder to reach some of the fruit. They are very large, solid and delicious."

Capt. George L. Shumaker, Auburn, Ala. "Please send 3 pkts. of your Giant Tree tomato. Our plants last year did extremely well, even in sandy, hilltop soil. We gathered tomatoes from August until mid-December."

Mae Halcrow, Bowesmont, N. D. "Every seed I plant from Vaughan's always grows. Giant Tree tomato produced the most wonderful tomatoes I have ever seen and can grow successfully in North Dakota climate."

There are few rewards more satisfying for the amateur, than to produce tomatoes which are at once the largest, smoothest and of best table quality. The huge, pink fruits have few seeds. They are full of tender, delicious flesh of mild, non-acid flavor. You will eventually grow this variety. Why not be ahead of your neighbors? Pkt., 50c.



### Potato Eyes for Planting

Instead of handling 100 big seed potatoes, you can plant 100 potato eyes and grow a home garden crop with no more labor than growing beans. Vaughan's sets are cut from the finest certified seed potatoes and treated with Chaogen to eliminate seed borne diseases. Plant 6 inches deep, 12 inches apart in rows 28 to 36 inches apart. Cultural instructions included. We offer the following varieties of top table quality for April or May shipment.

P-47 White Cobbler—pure white, nearly round, a popular early variety. 100 for \$2.25 postpaid.

P-48 Cherokee—a new variety later than the White Cobbler, resistant to blight and scab, 100 for \$2.25 postpaid.

P-49 Red Pontiac—Red skinned with resistance to drought, vigorous grower, 100 for \$2.25 postpaid.

P-50 Osage—A new introduction with exceptional table quality as well as greater resistance to scab and other diseases, 100 for \$2.50 postpaid.

Write for prices on larger quantities.



### New Purple Cauliflower

C 67 Early Purple-Head Cauliflower. 85 days. You will not see this in markets, for it is too tender to stand the handling, but for home garden growing it is superb. The heads are very large and turn green when cooked. The flavor is mild, like broccoli, and it is ideal for freezing. Plants set out in June mature in September. You will like this, whether you like market cauliflower or not. Pkt. 25c; ¼ oz., 95c; ½ oz., \$1.80; oz., \$3.00.



### Bush Sweet Potatoes

P-24 Murff Bush Sweet Potatoes. You can now grow your own sweet potatoes, if you have room for a row of bushy plants each spreading 3 feet in diameter, 18 inches tall.

Murff Bush Sweet Potatoes, 10 lbs., \$2.00; 25 lbs., and over, 18 cents per pound. Shipped by Express, charges collect.

Murff Bush Sweet Potato Plants, 50 plants \$1.20; 100, \$2.10; 200, \$3.85; 500, \$6.00; 1,000, \$10.00. These prices all prepaid, shipment by parcel post. One thousand plants and over may be shipped by express charges collect. Please Specify. \$9.00 per thousand.



C-108 HYBRID SWEET CORN GOLDEN CROSS. Pkt., 15c.

### Hybrid Sweet Corn Team

Plant the four varieties illustrated below at the same time to produce an all season harvest of highest yield and quality. 2 oz. of each variety in separate packets totaling **65¢**

We offer a brand new hybrid sweet corn team, including our new super-sweet Bouquet, and the popular new late hybrid Golden Security. The varieties described below represent the finest quality hybrids available. Plant them for a continuous home garden crop excelling in flavor and tenderness as well as large yield.

C-108 Golden Cross. 79 days. Sweet as Golden Bantam, with much larger ear, this is deservedly most popular of hybrids. Ears are 12 to 14 rowed, nearly eight inches long. Highly resistant to Stewart's disease. Pkt., 20c; ½ lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lb., \$4.25.



C-119 Our Choice. 68 days. One of the earliest hybrids, we recommend it because of its super-sweet and tender kernels, borne on a large 12-rowed ear. Pkt., 15c; ½ lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00.



C-101 Bouquet. 75 days. Extra sweet, second early. The cylindrical ears are long and sweet. Pkt., 25c; ½ lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00.



C-117 Golden Security. 85 days. The most popular late yellow hybrid in the middle west. Pkt. 25c; ½ lb. 60c; 2 lbs., \$2.10; 5 lbs. \$5.00.

# New Lawn AND Garden Aids



## Modern Grass Catcher Grinds Leaves to Fine Pulp.

**S623 The Lawne Mulcher.** Grass clippings left by mowing do not always benefit lawns. When too heavy they may heat and kill the grass, and even when light they may form "thatch"—a blanket of undecayed clippings that collects without decaying until it is heavy enough to prevent water getting down to roots, or plant food reaching the soil. This aluminum attachment fastened to your lawn mower will grind the clippings into pulp which quickly dries, and forms a fine mulch on the soil surface, admitting air and water freely, and shading the grass roots. Especially valuable for bent lawns. It is rustproof, weighs less than 4 pounds. Each \$6.95. Postage extra.



## 3-Tube Sprinkler Wets Wide Area

**S913. Supplex Triple-tube Plastic Sprinkler.** Garden sprinklers made of plastic tubes with perforations through which the water escapes in a fine spray, have proved their usefulness. Light, weather-proof, easily curved to follow contours of planted areas, they cover a large space with an evenly distributed spray, which the ground quickly absorbs. This one has three tubes with openings on top only, but can be used as a soil soaker when turned upside down. Made of vinyl plastic, it will not rot or mildew. 25 foot length covers space 25x25 feet, with reel, \$3.98. 50 foot length, covers space 50x20 feet, with reel, \$5.98.



## Multiply Costly Woody Plants by Developing Roots on Stems

**S1924 Airwrap.** Costly magnolias, roses, blueberries, azaleas or any woody plants can be induced to form roots on a selected stem by the Airwrap method which inexperienced gardeners can use. Once rooted the stem can be cut off and planted. Airwrap plastic film is wrapped around a ball of sphagnum moss, surrounding a wound which is prepared with a knife, according to directions. The moss is saturated and the film holds the moisture in, while allowing air to penetrate freely. The film contains necessary growth and rooting chemicals. One kit will make eight new plants. Each, \$1.95. Postpaid \$2.15.

## Pressure Sprayer is Big, But Not a Burden

**S743. Dobbins DeLuxe Garden Sprayer.** In a pressure sprayer, which you carry around the garden, two gallons is a lot of spray but three is too much for a woman to handle with comfort. This well designed 2-gallon job can be used for any purpose which the bigger size would serve, and is not a chore to handle. It has an oval tank with an ultra modern handle, so you can lift it and set it down in a new place while you go about spraying without a burden on your back. Complete with high pressure hose, extension and automatic shut off. Each \$11.85.



## This One Spray Protects All Plants from Enemies

**S101. Acme All-Around Spray.** No longer does the gardener require a varied collection of insecticides and fungicides to protect his plants from pests. This modern all-around formulation can be used on flowers, vegetables, roses, shrubs and trees, including all kinds of fruit trees and bush fruits. Rotenone, D. D. T. and the newest fungicide, zinc dimethyl dithiocarbamate are combined with 20% sulphur to insure complete protection without the need for diagnosing the ailment before applying the remedy. It can be used as a dust or spray. One pound will make 12 gallons of liquid spray. Lb., \$1.10; 4 lbs. \$3.50.

## Hidden Rope Keeps Animals Away

**No. S290 VAUGHAN'S ANIMAL REPEL-LANT ROPE.** Dogs, cats, rabbits, may be all right in their place, but you don't want them near your plants. This rope is impregnated with improved and more effective oils which set up a barrier of scent which turns them all away. Circle flower bed or border, or vegetable plot, pegging it on the ground, lightly covered. Tie a piece around an upright tree or evergreen, or hide it in foliage. All animals hate this odor. 100 ft., in can, \$1.50, prepaid.

## Kill That Crab Grass!

Another year's experience has piled up more evidence that Potassium Cyanate is the most reliable killer. It destroys crab grass and chick weed at any stage of growth, even when seeding. It is non-poisonous to you, your children and pets, and is easily controlled, so border plants are not injured by it.

Based upon tests conducted during the past year, experiment stations give the following advice:

Selective killing of crab grass is more effective when chemicals are applied in liquid form, as sprays.

Rates heavier than recommended cause excessive injury to desired turf grasses.

Treatment repeated in five to seven day intervals gave best and quickest control, preventing weakened crab grass from recovering.

Chemicals act within three days after spraying, and should be repeated on schedule until all crab grass plants are dead.

## Crab-Not, Formulation of Potassium Cyanate

**No. S149.** 4 oz., to cover 800 sq. ft. \$1.00 postpaid; 16 oz., to cover 2,500 sq. ft. \$2.95, postpaid; \$3.20; 6 lbs., to cover 15,000 sq. ft. \$10.95, postpaid \$11.45.

## Special Crab-Not, Includes 2, 4-D

**No. S148.** 4 oz., to cover 800 sq. ft. \$1.25 postpaid; 16 oz., to cover 2,500 sq. ft. \$3.50, postpaid, \$3.70; 6 lbs., to cover 15,000 sq. ft. \$12.50, postpaid \$12.95.

## Kill Weeds, Feed Lawn In One Application

**No. S421. No-Weed Turfood.** 6-10-4. This is a mixture of organic plant food with weed killers including 2, 4D, which resulted from experiments conducted at the Pennsylvania Experiment Station. It can be applied with a fertilizer spreader at 1½ to 2 lbs. per 100 square feet and will kill broad leaved weeds, at the same time feeding the lawn. An application in spring and fall has proved in two years' tests to produce a thick, beautiful turf with less than 2% weeds. Do not use on lawns less than a year old, or on close mown creeping bent in summer. Price per 7½ lb. pkg., \$1.25; postpaid \$1.70 within 500 miles; 25 lb., bag \$3.25; 80 lb. bag \$7.75, by freight or express charges collect.

## A Drink Of This Makes Plants Kill Insects

**No. S227.** Insects which prey on plants can be killed by applying insecticide to the soil. Most successful example is found in sodium selenate, which florists have used for several years, on greenhouse flowers. Do not apply it to food plants of any kind. To insure safety when used with house plants we offer it in capsules, each containing a safe but effective dose for an average pot.

**KAPSULATES.** Box of 12 capsules, 60c, postpaid. Box of 24 capsules, \$1.35, postpaid.



## Electric Seeder Saves Time and Seed in Garden.

**S1603.** Instead of tap, tap, tapping the seed packet with your finger, you dump the seed into this funnel shaped trough, set the battery to buzzing, and the seed drop one by one as close as you please, as you walk down garden row. It does a better job on seed flats, too. A flash light battery vibrates the feeder. Florists use it for fine seeds. Each \$2.25, prepaid.

## Do Liquid Plant Foods Work Miracles?

**No. S420.** Fertil-flo. Fantastic claims of the radio "pitch-men" about magic or miracle-working soluble plant foods, may have turned you against them. But there is solid merit in the bona-fide discoveries which scientists have made about the quick action of plant foods in solution both on roots, and leaves, which latter is termed "foliar nutrition."

Pound for pound they will cost you more than dry plant food, but you spread them in your hose water, and save work; scientists have found that a higher percentage is used by the plants, as well as acting quicker.

They will do a job for home gardeners extremely difficult to equal with dry plant food applications, especially on growing lawns and gardens. Fertil-flo has the highest percentage of food elements, 100% soluble, which we could find. Seventy-nine percent of its volume consists of Nitrogen, 10%; Phosphoric Acid, 52%; water soluble potash, 17%. When dissolved, no residue remains.

It has been widely tested as a starter solution with remarkable results.

For lawns and gardens, spread 1 lb., dissolved as instructed, over 400 square feet. Fertil-flo, 3 oz., 35c; postpaid 45c; 1 lb., \$1.00, postpaid \$1.20; 3 lb., \$2.50, postpaid \$2.85; 15 lbs., \$9, postpaid \$9.90.

## Feeds Plants Through Hose Water

**No.**

**S915 HOZON.**

Simplest, most practical and widely useful gadget to mix plant food and some insecticides and fungicides with the hose water is Hozon. This siphoning device draws from an open bucket or tub water in which the soluble plant food has been mixed. Insoluble residue remains in the bucket, without rising to clog or corrode the siphon. The liquid from the bucket is mixed with hose water in the ratio of 12 to 1, when pressure is 25 lbs. One gallon of solution is drawn from the pail in about 5 minutes, and distributed over the lawn or garden diluted with water 12 to 18 times its volume, depending upon the pressure. Hozon siphon is brass, with stainless steel check valve, rubber suction tube and stainless steel strainer to prevent clogging. Each, \$2.25, postpaid, \$2.40.



## Loveliest Garden Lilies, 12 Pre- paid \$2.75

3 Each of following 4 Varieties (value \$3.75)

These are the largest and easiest lilies for the amateur to grow in average garden soil, without special treatment. In well drained locations they will live for years, flowering each summer. Planting instructions included.

**BL101. LILUM REGALE.** (Royal Lily) Its large, fragrant, trumpet flowers are pure white on the inside of the petals, the outside striped with pink. It flowers early, in clusters of buds which open slowly until all are in full glory. Longest lived of all in ordinary garden soil. Large bulbs, each 40c; 12 for \$4.00, prepaid.

**BL102. L. RUBRUM.** The white petals of this Japanese lily are curled back, and so flushed deep pink with carmine dots, that only the margins are clear white. It grows to 4 feet and

flowers may reach 6 inches in diameter. It is free from disease and lives for years in the coldest regions. Large Bulbs. Each 30c; 12 for \$3.00 prepaid.

**BL103. LILUM UMBELLATUM.** These beautiful lilies perform like the hardiest of perennials, growing matted roots which can be divided like herbaceous plants. Their orange and crimson flowers are held upright in clusters on stems 3 feet tall. Blooming in June, they will thrive in any garden soil and multiply. Each 40c; Doz. \$4.00.

**BL104. LILUM PHILLIPINENSE.** A graceful lily with grassy foliage and long, trumpet flowers of purest white, marked externally with reddish brown. Flowers are fragrant, 3 foot stems. Each 45c; 12 for \$4.50 prepaid.

## Don't Use This Two-Faced Chemical Unless You Can Count



**S2028 Garden Cyanamid** is a "Jekyll and Hyde" chemical. First, it is death on seed, for 21 warm days after it is spaded into the soil according to directions. Weed seed, also grass seed or any seed at all will be destroyed by this chemical during its "killer" phase. But after three warm weeks

it turns into a benefactor and supplies long-lasting nitrogen, plus soil-conditioning lime, for the crops which are sown or set-out after it loses the power to destroy.

When first applied to the soil, changes begin during which Cyanamid is poisonous to seeds and plants. In 21 days with soil temperatures above 50 degrees, a transformation into safe plant nutrients is completed. In late fall or early spring, because of cold weather, five or six weeks may be required to make Cyanamid an entirely safe and amazingly efficient garden food. Full instructions come with it. 25 pounds will treat 500 sq. ft. \$3.75; 80 lbs., treats 3,200 sq. ft., \$9.50.

## Unbreakable Bird Baths



Lawn Bath



Flower-bed Bath

For both decorative and practical value these light-weight portable metal baths are ideal for both your garden and the birds. You can set them up wherever the birds prefer. When winter comes there is no danger of breakage, and they take a minimum of storage space.

**S1701A. Lawn Bath.** Aluminum finish enameled bowl 16½x2 in. deep, stands 31 inches high. Ornamental iron base enameled black. Weight 11 pounds. Each \$7.95.

**S1701. Flower-bed Bath.** Aluminum finish enamel bowl 16½x2 in. deep, stands 28 inches high. Green ornamental iron base. Weight 6½ lbs. Each \$4.75.



APPROXIMATE DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1953.	First pound or fraction	Each additional pound or fraction	Total Weight.
Local—Chicago or New York City.....	18c	1.5c	
First and Second Zone within 150 miles of either.....	23c	4c	
Third Zone within 150 to 300 miles.....	23c	5c	
Fourth Zone within 300 to 600 miles.....	24c	7c	
Fifth Zone within 600 to 1000 miles.....	26c	10c	
Sixth Zone within 1000 to 1400 miles.....	28c	12c	
Seventh Zone within 1400 to 1800 miles.....	30c	15c	
Eighth Zone all over 1800 miles.....	32c	18c	
A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.			
			Amount for Postage
			\$
			Grand Total

**Filled by** ..... **Checked by** ..... **Packed by** .....

Shipped by \_\_\_\_\_ Style of Package \_\_\_\_\_

Date ..... Book ..... Weight .....

# New Flowers and Specialties



## Fiery Red Petunia F1 Hybrid

**4014 COMANCHE.** (F-1) 15 in. All America Bronze Medal, 1953. The glowing red of Fire Chief, Gold Medal winner in 1950, is combined in Comanche with the extra vigor of F1 hybrids, to produce a compact plant which never straggles, and is covered with bloom all summer. Flowers are  $2\frac{1}{2}$  inches across. Pkt., 50c.

## Violet Floral Carpet

**265 ALYSSUM ROYAL CARPET.** 4 in. All America Silver Medal, 1953. By some magic of plant breeding, Alyssum Violet Queen, with its myriad tiny flowers of unfading blue-violet, was induced to change its upright habit of growth and become a spreading carpet-like ground cover, the perfect companion for its white counterpart, Vaughan's Little Gem Alyssum (Carpet of Snow). There is a place in every garden for so rich a carpet, which enhances the beauty of flowers of every color growing near it. Plants spread over a 10-inch circle begin flowering when weeks old and continue until freezing, always uniform in color and habit. Pkt. 25c;  $\frac{1}{16}$  oz., 75c.

### Illustrated on Front Cover

**3160 MARIGOLD PARISIAN HYBRIDS.** This promises to be as important a break in the French Class as Guinea Gold was in the Tall African, new and distinct and beautiful.

Flowers are fully double. In color they range from pale yellow to deepest coppery red. In pattern they vary from solid colors to every conceivable variation in blotched, striped and mottled flowers.

Individual blooms are 2 inches across, borne very freely. Plants are from 12 to 15 inches tall, vigorous and with rich dark green foliage. Pkt., 35c;  $\frac{1}{8}$  oz., 75c.



## All-America Winner for 1954

**5880 ZINNIA BLAZE.** Newest most vivid of the Giant Cactus Flowered Group Outstanding for the uniform doubleness of its gracefully quilled petals which reach  $5\frac{1}{4}$  in. across. Brilliant mandarin-red flowers which soften to scarlet-orange as the flowers attain size. Free blooming, uniform plants 28 to 32 inches tall. A delightful cut flower as well as unrivaled for mass displays. Pkt., 35c;  $\frac{1}{16}$  oz., \$1.00;  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.00.





550 ASTER POWDERPUFFS. Pkt., 35c.



### Quilled Calendula

1220 CALENDULA ORANGE QUILLS. Mid-orange flowers,  $3\frac{1}{2}$  inches across of unique form. Petals open flat but soon begin to curl downward at the edges so as to meet underneath forming a quill Pkt., 25c.

### White Forget-me-not

2022 CYNOGLOSSUM (Chinese Forget-Me-Not.) WHITE CLOUD. The pure white counterpart of the popular Firmament. Small dainty pure white forget-me-not blooms borne in small cloud-like clusters on dwarf compact plant. Plant habit, size of bloom and general growth similar to its indigo blue companion. 12 in. Pkt., 25c.

### New Early Asters

550 ASTER POWDERPUFFS. Tailormade for the home gardener, entirely different from the usual branching type. Imagine a ribbon of pink, azure, rose, crimson, white, scarlet and blue, so solidly made of 3 to  $3\frac{1}{2}$  inch fully double flowers the foliage cannot be seen. Plants 24 inches high, yet take less than 12 inches of space, all the flowers on top, as many as 20 per plant. August blooming, highly wilt resistant. Pkt., 35c.

556 ASTER BURPEEANA MIXED. An extra early long-stemmed variety snowy-white, shell pink, rose, crimson, blue, violet and purple. Globe shaped flowers, 3 to 4 inches, with attractive incurved petals, on long strong stems, ideal for cutting or garden decoration. Pkt., 25c.

### Largest of all Asters Now Wilt Resistant

ASTER SUPER GIANT WILT RESISTANT. Spectacular in the garden and valuable as a cut-flower because of its long, wiry, non-branching stem and huge ostrich feather flowers. Blooms late summer to frost. 3 ft.

680 BEVERLY HILLS. Azure blue.

681 EL MONTE. Crimson.

682 HOLLYWOOD. Pure paper white.

683 PASADENA. Peachblossom.

684 SANTA BARBARA. Dark Purple

685 LOS ANGELES. Shell pink

Each of the above, pkt., 35c

689 MIXED. A full range of color including the above and others yet to be released Pkt., 25c.



689 ASTERS Super Giant Wilt Resistant Mixed. Pkt., 25c.



1451 CELOSIA GOLDEN FLEECE. Pkt., 25c.

### Pure Gold Celosia

1451 GOLDEN FLEECE. A pure gold with tremendous plumes for garden and cutting. Easily grown, thrives in all locations and does exceptionally well in hot summers. Pkt., 25c.

1440 CELOSIA GILBERT'S GREEN GOLD. Silver green, balled shaped combs fused with light pink and a touch of yellow. Foliage bright green, flower heads 6 to 10 inches, plant 2 ft. Dries a silvery color. Pkt., 25c.

1441 CELOSIA GILBERT'S GOLD DUST. Rich yellow with silvery sheen, ruffled, ball-shaped heads on branched plants, bright green foliage. Turns deep gold or chartreuse as it matures. Excellent cut and for winter bouquets. Pkt., 25c.



### Pink "Spider-Plant"

Culture: D or E, Page 50

1803 CLEOME PINK QUEEN. 4 ft. Huge heads of delightful and refreshing true pink. Well branched, airy foliage, blooming from June until frost. Excellent background subject. Pkt., 25c.

1804 CLEOME HELEN CAMPBELL. Large glistening pure white flowers on tall, vigorous, light green stems. A sport from Pink Queen, coming into bloom slightly earlier and with larger flowerheads. 4 ft. Pkt., 25c.



Left to right: BLACK KNIGHT, GUINEVERE, GALAHAD, SUMMER SKIES, KING ARTHUR.

# Pacific Hybrid Delphiniums

Culture: B, D or E, Page 50

Because of superiority to other strains, in many important points, Pacific Hybrid delphiniums have become by far the most popular in this country. We offer its named varieties with the assurance that they come so true from seed, you may count upon plants with little if any variation from the variety description. Plants are 60 to 65% mildew resistant. The stems are straight, strong and whippy, not easily broken by wind. Flowers are enormous, and set close together forming lovely plumes of color. Hybrid delphiniums dominate the garden in late June. In deep, rich soil they grow six feet or more tall, with long spikes of vivid color, or clear white. Besides the Pacific Giants we offer others which in our opinion are the best available in the world.

This strain produces plants that are 60 to 65 percent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers do not shatter. Seeds germinate in 20 days.

7558 **BLUE BIRD.** A clear medium blue with white bee with high tall spikes.

7563 **BLACK KNIGHT.** Large flowers of varying dark violet shade.

7559A **BLUE JAY.** From medium to dark blue with dark bee.

7563A **CAMELIARD SERIES.** This is a pure lavender sell with white bee.

7560 **GALAHAD.** Clear white, mildew resistant

7561 **KING ARTHUR.** Royal violet, large white bee

7565 **PERCIVAL.** The large glistening white flowers with strongly contrasting black bees are beautifully spaced on long tapering spikes. Very vigorous and free growing habit.

7561A **GUINEVERE.** Light pink lavender, white bee.

7562 **SUMMER SKIES.** Light blue with white bee.

Each of above, pkt., 50c; 2 pkts. for 90c.

## Round Table Series

7559 As the name implies this represents all of the color combinations of the above Knights and their Ladies Pkt., 50c; 2 pkts. for 90c

## Other Hybrids

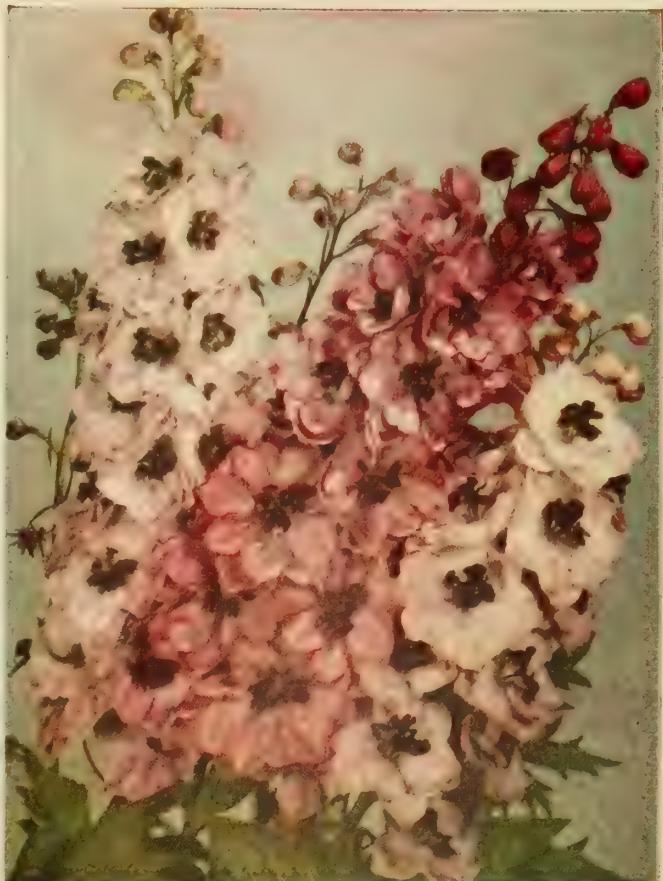
7550 **BELLADONNA IMPROVED CLIVEDEN BEAUTY.** 2 ft. June-July Exquisite turquoise blue Pkt., 20c.

7552 **BELLAMOSUM IMPROVED.** Large deep blue flowers, uniform in color with a white bee. Blooms 2½ inches across. Pkt., 25c

7564 **BLACKMORE AND LANGDON STRAIN.** A famous English strain. All the clear shades of blue, with bees of contrasting color Pkt., 35c.

7547 **CARDINALE.** "Scarlet Larkspur" a native California species with long spikes of scarlet flowers; seed germinates slowly 2-3 ft. (Ht. 2)

See perennial pages.



7535 DELPHINIUM Astolat. Pkt., \$1.00.

## Species Delphinium Sapphire Blue

7538 **DELPHINIUM SAPPHIRE.** 3 ft. An improved variety of the species delphinium formosum noted for hardiness, long life and its deep blue color. Somewhat paler than the original, with a tiny golden pollen accent, its blue has a special luminous jewel-like quality, in the sunlight Pkt., 50c.



## New Pink Delphinium

7535 **DELPHINIUM ASTOLAT.** For several years Frank Reinelt, originator of Pacific Hybrid Delphiniums, has been working to create pink delphiniums, equaling in size and beauty of flowers his famous white and blue varieties. Success has rewarded his efforts in this new strain, with flowers in varying tints of blushing pink, true pink and mulberry pink, all with dark bees. They grow tall, with strong, whippy stems, with florets as large and spikes which compare favorably with those of the other Pacific Giants. All the various pink tones are lovely to see. The outstanding perennial novelty of the year. Pkt., \$1.00.

# New Marigold Colors



2247 DIANTHUS BRILLIANT. Pkt., 25c.

## Rich Patterns in Pinks

2247 DIANTHUS BRILLIANT. 18 in. This large flowered strain of free flowering pinks is a companion to the famous Gaiety, but with plain-edged instead of fringed flowers. It has even richer color patterns in crimson, cerise, pink, white and red, and each flower has a contrasting "pheasant's eye." It grows with the same vigor as Gaiety, in low bushes, with blooms at the end of every stem, and flowers all summer if faded flowers are removed. A brilliant garden subject, and lovely cut flower. Pkt., 25c.

## Colorful New Climber

2690 HEARTS AND HONEY. The first color break out of Cardinal Climber. Flowers open in early morning a brilliant pinkish-orange with contrasting center of soft, honeylike yellow; by mid-morning the color has changed to a brilliant pinkish-red and the center becomes somewhat lighter and by afternoon the flower is a sparkling pure rose-pink with creamy white center. Leaves are jaggedly cut of a deep clear green, while the 2 inch flowers are projected from long narrow 2 in. tubes. Blooms through Summer into Fall until vines are killed by frost. Pkt., 25c.



2690 HEARTS AND HONEY. Pkt., 25c.



3169 MARIGOLD TANGERINE. Pkt., 25c.

## Lemon and Tangerine



3168 MARIGOLD LEMONDROP. Pkt., 25c.

3168 MARIGOLD LEMONDROP. Early full double canary yellow flower, freely produced on compact plants growing 9 inches tall. This attractive little flower will soon replace Yellow Pygmy as a favorite for the garden border. Pkt., 25c.



3167 MARIGOLD RUSTY RED. Pkt., 25c.

3167 RUSTY RED. Large fully double flowers, 2 inches and more across, of a rich rusty red, delicately edged golden yellow. The freely produced flowers are borne well above the dwarf bushy plants from early in summer until late into the fall. 1 1/2 ft. tall. Unlike most doubles, which are extremely regular in form, Rusty Red blossoms have an irregular outline, which adds greatly to their charm, not only in the garden display, but also when they are used as cut flowers. Pkt., 25c.

## Big Flower, Small Bush

3137 GLITTERS. All America Bronze Medal 1951. It has large clear yellow double chrysanthemum flowered blooms, bushy erect plants, 2 1/2 ft. tall with long cutting stems. Foliage dark green, rich back-ground for the 3 to 4 inch flowers of clear yellow with fringed outer petals. Earlier and dwarfer than Mammoth Mum; larger flowered and lighter colored but with habit of Golden Bedder Pkt., 25c.



3137 MARIGOLD GLITTERS. Pkt., 25c.



3144 MARIGOLD EARLY SUNSET GIANTS. Pkt., 25c.

## New Early Giant

3144 MARIGOLD EARLY SUNSET GIANTS. 3 1/4 to 4 ft. This is an early flowering strain of the popular Sunset Giants, largest of all marigolds bearing flowers that are sometimes 7 1/2 inches in diameter. This blooms 18 to 20 days earlier than the older strain, each plant bearing 8 to 12 enormous blooms in a festive range of color, including cream, buff, lemon, gold and orange. Plants are vigorous and stems strong. Pkt., 25c.



3110 MARIGOLD LULU. Pkt., 25c.

## Lovely New Mexican Marigolds

3110 MARIGOLD SIGNATA PUMILA LULU. Very compact dome shaped plant growing 7 inches tall and 12 inches in diameter, completely covered with single dainty florets, 3/4 in. across. A pleasing shade of bright canary yellow, without a zone but with a small eye that is a trifle darker. The first real yellow in this group, outstanding for the garden border, edgings and rockeries. In full bloom all through the season at our Western Springs Trials. Pkt., 25c.

3111 MARIGOLD SIGNATA PUMILA URSULA. A fine flowering strain with blooms so prolific it completely hides the foliage. Florets measure 3/4 inch across, of a bright golden orange with a brighter orange zone and eye. The largest and brightest orange flower in this group. Like Lulu it is outstanding for the garden border, edgings and in the rockery. It, too, was in full bloom throughout the season at our Western Springs Trials. Pkt., 25c.



3157 VAUGHAN'S SPECIAL MIXTURE OF SMALL FLOWERED MARIGOLDS, including all varieties illustrated, Pkt., 25c.

## Dwarfs for Borders

A delightful group of highly decorative small flowered marigolds has been developed in the last few years. The increased color range extends from bright yellow to darkest maroon, with many attractive blends of yellow, red and maroon. Their great variety lends interest to bowl arrangements and there is no better subject for the cutting garden than mixture of small flowered marigolds.

3157 VAUGHAN'S SPECIAL MIXTURE of small flowered marigolds, including Gnome, Red Head, Naughty Marietta, Royal Scot, Harmony, Melody, Yellow Pigmy, Scarlet Glow, Robert Beist and others. Pkt., 25c.

### Newer Dwarfs

3196 CUPID. Dwarf in habit, large Primrose yellow chrysanthemum-like flowers completely cover the plant. Foliage without marigold odor. Marvelous for edging or border. The flowers are 2 to 2 1/2 in. across. Pkt., 25c.

3194 CUPID GOLDEN. (New) Rich golden color very showy and free flowering, an attractive companion to the now popular Cupid. Yellow and Cupid Orange, with which it is identical in habit. An extra dwarf strain. Pkt., 25c.

3197 CUPID ORANGE. A true orange in the popular Cupid Class. Identical in type and habit to others in this group. The color is striking and makes a grand display. Pkt., 25c.



3198 MARIGOLD CUPID MIXED. Pkt., 25c.

3198 CUPID MIXED. The double chrysanthemum-like flowers are in rich shades of orange, yellow and golden yellow which completely cover the plant. In size the flowers are equal to those of Marigold Cupid, 2 to 2 1/2 in. across, and the dwarf compact plant but 6 in. tall. Odorless foliage. Pkt., 25c.

## Largest Flowering Dwarf Phlox-Beauty

The finest large flowered Dwarf Phlox. Round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the regular strains. The shades are clear and soft, many being pure self colors. Sow the seeds directly where they are to grow. Seeds germinate in 20 days.



4174 DWARF PHLOX Beauty Mixed. Pkt., 25c.

- 4166 BLUE BEAUTY
- 4169 PINK BEAUTY
- 4170 SALMON BEAUTY
- 4171 SCARLET BEAUTY
- 4173 WHITE BEAUTY
- 4174 BEAUTY MIXED. A formula blend, including all colors shown in our illustration

Each of the above, pkt., 25c

## Pure White Regal Lily

- 8152 LILUM REGALE
- PURE WHITE. Trumpets of pure glossy white, large blooms, very fragrant. A reliable, consistent bloomer, very hardy Pkt., 25c.

## Petunia Leaders



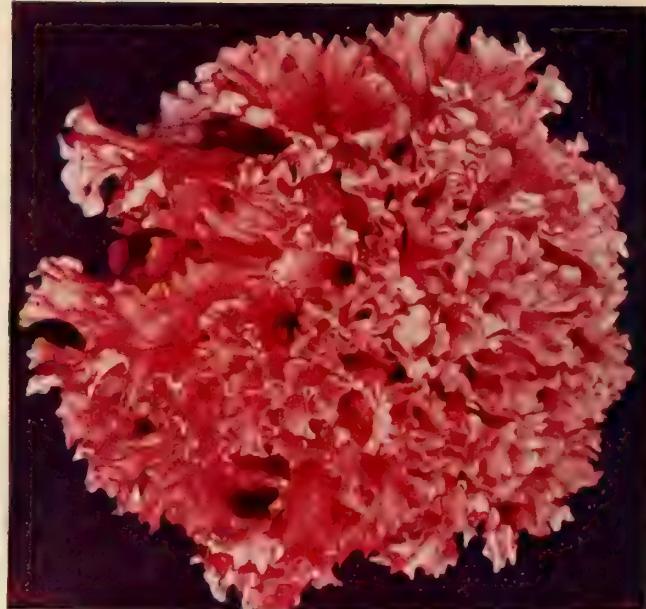
4097 PETUNIA Little Giant Pink Frills. Pkt., 50c.

## Fringed Ruffled Little Giants

4097 PETUNIA LITTLE GIANTS PINK FRILLS. (PINK SHADES.) A selection of the light to dark pink shades out of the popular fringed and ruffled Little Giants Strain, retaining the same compact growth habit, size and freedom of bloom of the parent strain. A brilliant rich selection. Introduced exclusively by us in 1952 as "Pink Shades." Pkt., 50c.



4061 PETUNIA BALLERINA. Pkt., 50c.



3949 PETUNIA All Double Colossal Shades of Rose. Pkt., \$1.00.

## Best All-Double Pink

3949 COLOSSAL SHADES OF ROSE. 18 in. Largest All-double variety of American introduction. Silver Medal 1946. Plants of luxuriant growth bear 4½-inch flowers in abundance, varying in color from light pink to deep, purplish rose, some being fringed and some plain-edged. Lovely in bowl arrangements. Pkt., \$1.00.



4010 PETUNIA LINDA. Improved Silver Medal Pkt., 50c.

## Two Vigorous New F-1 Hybrids

4010 PETUNIA LINDA. (F-1. IMPROVED SILVER MEDAL.) 15 in. This new version has a more intense salmon pink coloring, in its 3-inch flowers. All the magic vigor of the F-1 hybrids is retained, to produce a compact plant with strong stems, which resist the wind and always present a trim appearance. The flowers are produced in amazing abundance throughout the summer. Pkt., 50c.

4061 BALLERINA. F-1 HYBRID. 2 ft. All America Honorable Mention, 1952. As proved by the variety Silver Medal, an F-1 hybrid petunia has a magic vigor, which increases its flowers, brightens their color, produces bushier, compact growth with stronger stems. With so lovely a flower as Ballerina, a large single fringed blossom of soft glowing salmon, all these added qualities produce an outstanding plant. The flowers are 3½ to 4 in. across, plants dwarf and compact, blooms so numerous they almost hide the foliage. Pkt., 50c.

## Fiery Red Fringed Giant

4050 PETUNIA FLAME. 18 in. A new variety of the Giant Single Fringed class, in which are found the largest and most beautiful blossoms of this flower, its chief merit is the warm coloring, rare among petunias. While most pink and red petunias are really tones of rose, Flame is a true scarlet, the first petunia of its class to achieve this much desired hue. Pkt., 50c.



4020 PETUNIA Snowball Improved. Pkt., 25c.

## New White Petunia

4020 SNOWBALL IMPROVED. Finest white in the Dwarf Small Flowered class. The good sized flowers are borne in great profusion on plants of compact habit. Despite the extreme heat of this Summer Snowball Improved was in constant bloom at our Trial Grounds from early July to killing frost. Truly outstanding. Pkt., 25c.



## Reddest of all Salvias

4669 SALVIA ST. JOHN'S FIRE. Our own re-selected strain coming into flower early, while the plants are but a few inches tall, and remaining in bloom until frost. The bright scarlet spikes stand densely and rigidly upright above the foliage on the uniformly compact plants. Pkt., 35c.



5775 VINCA ROSA (Periwinkle). Mixed Pkt., 15c.

### 3901 PANSY SWISS RASPBERRY ROSE.

An entirely new color in the Swiss Giant strain. A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petals and is marked with a velvet blotch in a deeper tone. An outstanding novelty we are glad to offer again. Pkt., 35c.

### F-1 HYBRID PETUNIAS

If you haven't grown the new F-1 Hybrid Petunias, by all means try them. They are bred just like hybrid corn—by crossing two closely inbred lines. This produces tremendous vigor, freedom from disease and superior bloom. F-1 Hybrid Petunias can now be had in all popular Petunia colors and types.



3901 PANSY SWISS RASPBERRY ROSE. Pkt. 35c.



## Scotch Violas

4582 SUPER LARGE FLOWERING SCOTCH. Preferred by specialists, Scotch Violas are much larger than Jersey Gem type, all two-toned in lovely clear colors without blotches. In continuous bloom under good culture; sturdy compact growth, outstanding bedding material. Pkt., 25c.



## Peach Color Viola

8585 GEORGIA PEACH. Bright new shades of delicately peach colored, large blooms, slightly ruffled on the edges. Plants are uniformly compact and well formed. A gay color which should prove of interest to all. Pkt., 35c.

### Vinca Rosea Resistant to Heat Wave

This attractive plant is recommended for shady places, but it also thrives in the hot sun. Proof of this was given last summer in our flower seed trials. All previous records were broken by continuous heat in August, and most of the several hundred flowers growing there, even though under regular irrigation, showed the effects of the heat. Flowers grew smaller and fewer, leaves wilted and turned brown, growth was generally interrupted. But vinca rosea kept green and produced its bright flowers in normal size all through the record breaking heat.

### Vinca Rosea

(Periwinkle)

Culture: D or E, Page 50

Sow seed after last frost in open ground and thin to 1 foot apart or sow inside and transplant after frost is over. Although most satisfactory in shade, it does equally well in hot sun. 1 ft. Seeds germinate in 10 days.

5775 MIXED. Pkt., 15c. 5770 WHITE. Pkt., 15c.



6035 ZINNIA CACTUS FLOWERED HYBRIDS. Pkt., 25c.



6180 ZINNIA PEPPERMINT STICK MIXED. Pkt., 25c.

## Cactus Zinnias With Hybrid Vigor

New additions to the popular Cactus Flowered Group which includes Floradale Scarlet and Riverside Beauty, as well as the Hybrids in Mixture. The named varieties are similar to plants in the mixture in height and habit, but the flowers of each variety are uniform in character and color. Attractive garden display can be made by planting groups, each of a single variety, in harmonious color arrangements.

**6039 ESKIMO.** Large loosely ruffled flowers open creamy white and change to white as they mature. Petals are long and narrow, slightly turned and faintly notched at the tips. Blooms are 5 inches and more across. Pkt., 25c.

**6040 SUNNY BOY.** Rich buttercup-yellow flowers made up of many delightfully ruffled petals, alive with color and brilliancy. The blooms are 5 inches across and produced in great profusion. Pkt., 25c.

**6035 ZINNIAS CACTUS FLOWERED MIXED. (NEW GIANT BURPEE HYBRIDS.)** 3 ft. As a semi-cactus dahlia differs from the formal decorative type, with its uniform petals, regularly arranged, so does the cactus flowered hybrid zinnia differ from the older forms of this flower. No zinnia has larger flowers than these, up to 6 inches in diameter; and all the softer zinnia colors are included in the mixture, besides some lovely pastels found nowhere else. In form as well as color, there is much variation. The petals of some flowers are fluted, others are flat and twisted, but all are beautiful, often spectacular. You will want a group in your garden, and flowers of this new type for bouquets. They bloom quickly from seed sown in the open, and continue to flower with increasing size and color brilliancy until killed by frost. Pkt., 25c.



5738 VERBENA Sparkle Pkt., 35c.

## Brilliant New Dwarf VERBENAS

**5738 SPARKLE.** A bright scarlet red greatly intensified by a gleaming white eye. Large size blooms so tightly arranged they give the effect of a solid mass of color. The plants are of uniform and compact growth and the bloom is freely produced throughout the entire season. 7 in Pkt., 35c.

**5741 CRYSTAL.** A glistening snow white color with the same fine dwarf compact habit as Sparkle. Florets are large and produced in large clusters of 12 to 15 per plant. A trim plant growing about 9 inches tall with a spread of 12 inches, fine compact habit which is retained throughout the blooming season. Pkt. 35c.

## New Type Zinnias CANDY STRIPED

**6180 ZINNIA PEPPERMINT STICK MIXED.** An interesting new development in the popular striata or striped type, resselected for a wider color range, including red and white, red and yellow, pink and white, orange and white and purple and white. Plants are somewhat taller than the Pumila type, flowers are medium sized. Early to flower, they are produced in profusion until frost if kept picked. Pkt., 25c.



2112 ANGEL'S TRUMPET Pkt., 35c.

## Triple Angel's Trumpet

**2112 ANGEL'S TRUMPET IVORY KING (DATURA).** "Crown-in-crown" flowers of that enchanting rich golden ivory coloring one finds in antique ivory chessmen, which blends perfectly with all other colors. Ivory King is a vigorous growing annual that is in bloom from mid-July until frost. Plants about 30 in. tall, as broad as they are tall. Pkt., 35c.



## Arctotis (African-Daisy)

Culture: A, B, D or E, Page 52

For Dry Sandy Soils. Seed germinates in 20 days

451 NEW HYBRIDS 8-12 inches. A new race resembling the famous Gerberas, but much easier to grow in the garden. Flower 2½ to 3 inches; likes a dry, sunny location. Excellent as a border plant and fine for cutting. Pkt., 25c.



195 AGERATUM Midget Blue. Pkt., 25c.

## Ageratum

Culture: A, B, D or E, Page 52

One of the best sources of blue-purple flowers which are so important to balance color-effects in the garden. Its dense, tightly clustered heads of tubular flowers are borne freely until killing frost. Germinates in 5-10 days.

193 MIDGET BLUE. 3 in. Of varieties suitable for ribbon-planting this is the most uniform in habit and even in color, when grown from seed. Flowers of ageratum-blue smother the globular plants Pkt., 25c.

197 BLUE BALL IMPROVED. 6 in. Flowers are of deep periwinkle blue, covering the compact plants, which have dark green foliage. Pkt., 25c

187 PURPLE PERFECTION. 8 in. Large vivid dark purple, flowers on compact plant. Darkest of all in color. Excellent for ribbon planting. Pkt., 15c

180 TALL BLUE. 18 in. For cut flowers or use in the border as a foil for other colors, this is excellent. Its soft lavender harmonizes with any color and adds to its effect. Pkt., 15c.

## OTHER COLORS

214 FAIRY PINK. 5 in. A compact dwarf of soft salmon pink which begins to flower when 2 inches high and develops into a compact mound of bloom. Pkt., 25c.

## Acroclinium (Everlasting)

Culture: A, B, D or E, Page 52

The flowers resemble the English daisy, with lovely pastel colors which remain unfading when it is dried for winter bouquets. Blooms in six weeks. Germinates in 15 days.

166 SENSATION DOUBLE GIANT MIXTURE. 20 in. Double or semi-double flowers of white, chamois, flesh pink and bright rose. Pkt., 15c.

## Sweet Alyssum

### IDEAL EDGING PLANT

For ribbon planting, or edging beds and borders, the white and violet alyssums are ideal. Fragrant, dwarf, bushy, everblooming, and easy to grow from seed sown direct, they never fail to delight.

Culture: A, B, D or E, Page 52

Seed germinates in 5-10 days.

255 VAUGHAN'S LITTLE GEM (White Carpet). 4 in. The plants are so completely covered with a froth of tiny snow-white blossoms they create the impression of a beautiful white carpet. Sweet Alyssum puts a lace frill to any garden and enhances the colors of every flower. 1 oz., \$1.80; ½ oz., \$1.00; ¼ oz., 55c; Pkt., 15c

250 MARITIMUM (Sweet Alyssum). 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Not recommended for edging, but for fragrance and mass effect. Mix the seed with sand to prevent sowing too thickly. Pkt., 15c



259 ALYSSUM Violet Queen. Pkt., 15c.

259 VIOLET QUEEN. A beautiful, fragrant sweet Alyssum, of bright clear violet hue, holding its colors through the hottest, driest summer. Can be sheared like white Alyssum and grows luxuriantly, covered with bloom from early summer to freezing. It flowers in 45 days from seed in the open. ½ oz., 35c; ¼ oz., 60c; ½ oz., \$1.10; 1 oz., \$2.00; Pkt., 15c.

256 VIOLET & WHITE MIXED. Pkt., 25c.

265 ROYAL CARPET. See Novelties. ½ oz., 75c; Pkt., 25c.

See also Perennial Pages.



255 Ribbon Planting of Vaughan's ALYSSUM Little Gem. Pkt., 15c.



311 ANCHUSA Blue Bird. Pkt., 20c.

## Anchusa Blue Bird

Culture: A, B, D or E, Page 52

311 2 ft. One of the best blue annuals, bearing on upright branching stems terminal spikes of forget-me-not flowers, intense blue with white eye. By cutting back the growth when flowers fade, all-summer bloom may be assured. Seed germinates in 15 days and growth is rapid. Pkt., 20c.

See also Perennial Pages.



275 AMARANTHUS TRICOLOR (Joseph's Coat) Pkt., 15c.

## Amaranthus

Culture: A, B, D or E, Page 52

275 TRICOLOR (JOSEPH'S COAT). 2½ ft. The inner foliage is blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 15c.

## Bird of Paradise

Culture: D, Page 52

1149 POINCIANA GILLIESI. 2 ft. Popular name is due to fancied resemblance of the flowers, in profile, to the head of the Bird of Paradise. Blossoms are of rich golden yellow, with long incurving stamens and pistils of crimson. Germinates in 15 days. Seed should be started under glass and plants carefully hardened off before setting in the garden. Very susceptible to cold. Pkt., 15c.

# Newest Garden Snapdragons

Culture: A, B, D or E, Page 52



427 VAUGHAN'S SNAPDRAGONS TETRA SUPREME MIXED. Pkt., 25c.

## Rust-Resistant

If you have found Snapdragons difficult to grow, rust is probably responsible. Rust is a widespread disease which discolors the leaves and saps the vitality. Growing the Rust-resistant strain, difficulties disappear. Seeds germinate better, plants are more vigorous, the foliage clean, flowers large and of fine color and the flowering season prolonged. Seeds germinate in 20 days.

### 10 BEST COLORS

From careful records the 10 varieties listed below have been determined to be the most popular with home gardeners because of their bright colors and vigorous growth.

- 317 CHERRY ROSE. Brilliant deep cherry rose. An outstanding new color
- 336 ROSALIE. Rich deep rose with an underlying tone of topaz or amber.
- 341 ALASKA. The finest pure white.
- 343B INDIAN SUMMER. Coppery rose-scarlet.
- 344 CANARY YELLOW.
- 346 LOVELINESS. Pure soft rose-pink.
- 347 RED CROSS. Deep rich crimson, white tube
- 349 PADRE. Glistening crimson, rich and beautiful uniformly compact contrasting foliage.
- 351 ORCHID SHADES.
- 352 PINK AND ROSE SHADES.

Each of the above, pkt., 20c; 3 pkts., 50c.

425 VAUGHAN'S SPECIAL MIXTURE OF SNAPDRAGONS. (Antirrhinum). Includes all the Rust Resistant varieties listed, and others bought especially for it, providing a never ending color feast of long stemmed flowers.  $\frac{1}{8}$  oz., 90c. Pkt., 20c.

## Vigorous Crimson Giant

431 VELVET GIANT.  $2\frac{1}{2}$  ft. tall, each plant produces 6 to 12 spikes. Rich, velvety, deep crimson blooms show an undertone of orange-bronze. A top-notch variety for cutting and garden. Pkt., 25c.

## Miniature Snapdragons

A delightful new strain forming compact tufts 4 to 6 inches high, covered with miniature flowers. Excellent for rockeries, small beds and edgings.

432 MAGIC CARPET. Very compact with a good range of colors including pinks, terra cotta shaded apricot and a few purplish shades, with light shades predominating. Pkt., 25c.

For the difficult spot in your garden, try Coleus Vaughan's Rainbow Mixture. Does well in shaded and semi-shaded locations where protection from the bright sun brings out the rich colors. Take a few cuttings from your plants to grow on in the house for winter flowering.

## Tetra Snapdragons

These unique flowers were created by science with an amazing treatment which changed the cell structure of the plants. "Tetra-snaps" are probably the most conspicuous success this method has so far attained.

Every merit which snapdragons have as a garden flower is magnified. They have greater vigor, a longer flowering season, darker green, glossier foliage, stronger stems, and their flowers have more and larger florets, with ruffled petals and brighter colors.

427 VAUGHAN'S SNAPDRAGONS TETRA SUPREME MIXED. Flowers of the exceptional beauty, size and vigor, characteristic of the "Tetra" strain, include colors of which only a few are illustrated. They range from shell pink to the deepest rose, from dark bronze through orange to pale yellow, with many intermediate sunset tints which are found in no other strain. Pkt., 25c

430 WHITE. Creamy white changing to pure white as flower ages. The primrose throat adds to the attractiveness of the large beautifully formed flowers.

434 APPLEBLOSSOM. Glistening pink with white tube.

436 BRILLIANT ROSE. Large florets of a true rose pink.

433 CANDLELIGHT. Clear bright yellow.

438 CRIMSON. A deep yet bright velvety crimson.

429 ORCHID. Rich orchid-purple with yellow blotch.

435 SHADES OF ROSE AND PINK. Ranging from lightest pink to the deeper tones of rose. Especially fine for the cutting garden.

428 YELLOW. A rich clear color. Each of the above, pkt., 25c.

## SNAPDRAGONS IN MIXTURE

Our mixtures are "Formula-Made" to insure your receiving the most complete color range

332 SUPER MAJESTIC MIXED. (Rust Resistant) Semi-tall, giant flowered, 16 to 20 in. Recommended for the Home Gardens. Pkt., 20c; 3 pkts., 50c.

348 MAXIMUM MIXED. (Rust Resistant). Giant flowered, spikes 32 in. tall and blooms 2 to  $2\frac{1}{2}$  in. across. Outstanding as cutflowers, the kind florists grow. Pkt., 25c; 3 pkts., 65c.

444 COLOSSAL MIXTURE. A strain of tremendous vigor producing in the outdoor garden strong spikes 3 ft. tall, filled with large florets. A well balanced color range that includes crimson, orange shades, pinks, white and clearest yellow. Pkt., 25c.



431 ANTIRRHINUM VELVET GIANT. Pkt., 25c

# Wilt Resistant Asters

Culture: A, B, D or E, Page 52

If planted in the garden among other plants, Asters do not seem as susceptible to disease as when planted in solid blocks. Wilt Resistant varieties are resistant to most of the Wilts that cause the seedlings to sag suddenly and die before they can bloom.

Aster Yellows are somewhat more difficult to control. Spraying with Lindane or D.D.T. to control leaf hoppers helps somewhat. Best preventative is to grow Asters inside a screen or cloth house such as is used for Dahlias. Plants in the open garden are subject to constant attack, so persistent, regular spraying is needed to kill the leaf hoppers that carry the disease. Aster seeds germinate in 8-10 days.

## GIANT BRANCHING 2 TO 3 FT.

The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid.

905 AZURE BLUE,	904 CRIMSON.
dark lavender.	901 WHITE.
903 DEEP ROSE.	902 SHELL PINK.
906 PURPLE.	908 SENSATION (SCARLET.)
Each of above, pkt., 15c; any 3 pkts., 40c.	

898 MIXED.  $\frac{1}{8}$  oz., 50c; pkt., 15c

## GIANT CREGO Ostrich Feather 2 ft.

The flowers are immense on long stems. The petals are curled and twisted, plants branching. Flowers in abundance from late August until frost.

559 AZURE BLUE.	563 DEEP ROSE.
560 BLUE FLAME,	564 LAVENDER.
navy blue.	565 PINK.

560A CATTLEYA,  
fascinating shade of orchid.

566 PURPLE.

569 WHITE.

561 CRIMSON.

Each of above Pkt., 15c; any 3 pkts., 40c.

575 MIXED.  $\frac{1}{8}$  oz., 50c; pkt., 15c.

640 COLLECTION OF VAUGHAN'S WILT RESISTANT ASTERS, 75c.
One packet each of six varieties prepaid, 75c. Giant Crego—569 White, 564 Lavender, 565 Pink, Giant Branching—906 Purple, 905 Azure Blue, 903 Deep Rose.

## 628 A MIXTURE OF ALL GIANT VARIETIES.

A formula-blend which was first prepared for our Retail Stores where it fast became the favorite because of its large number of important and popular Giant Flowered sorts with a wide range of color. An outstanding value for the cutting garden or mixed bed or border. Pkt., 25c.



729 WILT RESISTANT ASTER Heart of France. Pkt., 20c.

An old favorite which in the opinion of many has never been surpassed.

929 HEART OF FRANCE. 18-24 in. Opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals show a soft warm velvety texture. Pkt., 20c.

## QUEEN OF THE MARKET (EARLY) 2 FT.

The favorite early Aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit.

928 MIXED. Pkt., 15c.

850 BALLET TYPE MIXED. The new Queen Type with full centers, large flowers and long stems. Very early to flower, it is highly wilt resistant. A well-balanced color range which includes purple, rose, light blue and white. Pkt., 25c.

556 BURPEEANA MIXED. See Novelties. Pkt., 25c.

550 POWDERPUFFS. See Novelties. Pkt., 35c.

SUPER GIANTS. Illustrated and described in our Novelties. See page 12

## Princess Asters

### WILT RESISTANT

Culture: A, B, D or E, Page 52

Vaughan's Princess Asters are of a new type, characterized by full crested centers surrounded by several rows of guard petals, producing fully double flowers whose beauty is evident from the illustration. Plants are branching. They are early and free bloomers and make splendid cut flowers. 2-2½ ft.

622 PRINCESS ALICE. Bright azure blue

618 PRINCESS ELIZABETH. Pure white.

623 PRINCESS GOLDILOCKS. Early, deep yellow.

619 PRINCESS MARGARET. A true rose.

629 PRINCESS NANCY. New, glowing salmon pink, gold center.

617 PRINCESS PAT. Bright crimson.

620 PRINCESS SUSAN. Clear deep blue.

630 PRINCESS VIRGINIA. New bright mid-blue

632 VAUGHAN'S SPECIAL MIXTURE OF PRINCESS ASTERS, containing all the above, including the new introductions.

Each of the above, pkt., 25c.

## Single Asters

Both in the garden and in the house these lovely daisy-blooms of vivid coloring are highly esteemed by advanced gardeners and florists.

949 ASTER RAINBOW MIXTURE. 24 inches. A new strain of single asters producing large flowers of all colors of the rainbow, except yellow, including many tones of blue and violet, rose and crimson, but without flesh pinks or white. Pkt., 25c.

## Sunshine Asters

887 ASTER GIANT CALIFORNIA SUNSHINE MIXED. 2 ft. Though not new, many consider this the most beautiful of all asters. The flowers 4 to 5 in.

across; are composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center discs. Stems long and heavy on plants 2 to 3 ft. in height. Blooms early to mid-September.  $\frac{1}{8}$  oz., 75c; pkt., 25c.

## Early Giant

1½ TO 2 FT.

544 EARLY GIANT MIXED. The large flowers, 4½ to 5 inches across, are fully double, with broad graceful petals, daintily plumed and inter-twined. The earliest to flower, coming in well in advance of the California Giants. A complete range of color which includes white, soft blues, rich rose, crimson and delicate pinks. Pkt., 25c.



887 ASTER Giant California Sunshine Mixed. Pkt., 25c.



632 PRINCESS ASTER Special Mixture; Pkt., 25c.



949 ASTER Rainbow Mixture, Pkt., 25c.

# Surprise!

## GARDEN MIXTURE

If You Want a Thrill, Sow in Your Garden This Year This Mixture of 80 Different Annual Flowers, 1 to 3½ Feet Tall. Oz., 35c.

**5848 VAUGHAN'S SURPRISE GARDEN OF ANNUALS** is made up of sun loving annual flowers which will keep the garden gay from early summer until killing frost. It is not a collection of leftovers; but a carefully prepared formula of more than eighty different annual flowers, many of which you have never seen. We want you to know them, and you will be delighted to make their acquaintance and probably will want to order separately another year. Furnishes an unending amount of cutting material and a daily surprise to see what will appear next. Allow plenty of space to avoid crowding, keep watered and weeded, and remove faded flowers. These packets make welcome gifts. Oz., 35c; ¼ lb., \$1.25.



1057 BUSH BALSAM Rose. Pkt., 25c.

## Bush Balsam

Culture: A, B, D or E, Page 52

Free-flowering strain of bushy growth. Double flowers appear in clusters on the top of stems like double roses, instead of hidden on side of stems. In white, rose and red, 1½ to 2 ft. Seeds germinate in 15 days.

**1057 ROSE.** 1055 WHITE REFLECTED ROSE.  
**1053 SCARLET.** 1054 WHITE.  
 Each of above, pkt., 25c; 3 pkts., 65c.  
**1051 MIXED.** ½ oz., 60c; pkt., 25c.

## Balsam (Lady Slipper)

An old favorite producing short stemmed double flowers at the axils of the leaves. The plants like hot sun, rich soil and plenty of water.

**1040 DOUBLE ROSE AND CAMELLIA-FLOWERED MIXED.** 1½ to 2 ft. ¼ oz., 35c; pkt., 10c



1146 BRACHYCOME Mixed. Pkt., 15c.

## Irish Green Bellflower

Culture: A, B, D or E, Page 52

**1138 BELL OF IRELAND.** Graceful 2-foot branching stems are so surrounded by 2-inch flowers there is little room for leaves. The bell shaped calyx of the flower is green and delicately veined containing the white corolla. Both curious and beautiful. Strip stalk of foliage and leave only the delicate bell-shaped calyx, hang in cool dry place, as you would Strawflowers. It will then retain more of the true green color and prove an interesting addition to your bouquet of Everlastings. Pkt., 25c.



1138 BELL OF IRELAND Pkt. 25c.

## Swan River Daisy

Culture: A, B, D or E, Page 52

### Brachycome

A free-flowering, dwarf-growing annual covered during the greater part of the summer with a profusion of dainty flowers which resemble small Cinerarias, suitable for edgings, small beds or pot culture. Seed germinates in 8-12 days.

**1146 MIXED.** 12 in. All colors. Pkt., 15c.

## Gay Calliopsis Clan

Culture: A, Page 52

The annual Coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. Seeds germinate in 10-20 days.

**1245 VAUGHAN'S SPECIAL MIXTURE.** It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. Pkt., 15c



5848 SURPRISE GARDEN MIXTURE. Oz., 35c.



1131 BELLIS. Monstrosa Double Mixed. 20c.

## English Daisy

**BELLIS PERENNIS (6 to 8 inches)**

Culture: C, Page 52

Double Giant Daisies which are hardy perennials but bloom quickly from seed. Remarkable effects are obtained when associated with Pansies or Forget-Me-Nots in beds or borders. Seed germinates in 5-10 days.

**1131 MONSTROSA MIXED.** Pkt., 20c.

## Blue Browallia

Culture: A, or B, Page 52

Profusely blooming dwarf plant, covered during summer and autumn with winged flowers of intense blue. Grows freely in any rich soil. Germinates in 20 days.

**1161 SAPPHIRE.** 1 ft. Flowers of intense blue, white eye, like large lobelia. Pkt., 25c.

## Cacalia (Tassel Flower)

Culture: A only, Page 52

This "perky" little annual blooms in a few weeks from seed. The flowers of scarlet or gold on branching stems look exactly as the name indicates, fluffy tassels, less than half an inch in diameter. Blooms until heavy frost. Try these in a copper bowl with the Castor Bean (*Ricinus*) seed pods and leaves for a lovely effect. Seeds germinate in 15 days.

**1170 MIXED.** 2 ft. Scarlet and yellow. Pkt., 15c

**4574 ANNUALS ROCK GARDEN VAUGHAN'S SPECIAL MIXTURE.** A carefully prepared mixture of low growing, many colored, free flowering annuals, which will supply color in your rock garden all summer. Pkt., 25c.

# New Calendulas

## Pacific Strain

At last, Calendulas can be had that will flower in spite of Summer heat. Flowers are larger, with longer stems. If sown very early in Spring and again July 1st, Calendulas can usually be had in bloom longer than any other annual. They are often the last Annuals in bloom in the garden. Seeds germinate in 10 to 16 days.

**1209 PACIFIC GOLDEN GIANT.** 24 in. True golden orange.

**1208 — APRICOT BEAUTY.** The attractive two-toned effect is more clearly pronounced than in the older type.

**1210 — CREAM BEAUTY.** Creamy-white deepening to soft yellow.

**1211 — LEMON BEAUTY.** Pure lemon yellow.

Each of the above Pkt., 25c any 4 pkts., for 80c.

**1212 — PACIFIC BEAUTY MIXED.** A blend of the above described varieties. Pkt., 25c. 1/4 oz., 50c.

*Culture: A, B, D or E.*

*Page 52*

Calendula is one of the best annuals for the garden or greenhouse. Vast improvements in size, shape and color have been made. Keep the flowers cut for continuous blooming. During warm weather some flowers may be singled out but all return to full doubles when the weather turns cool. Make a late sowing in early July for flowers in cool weather; they stand heavy frosts, and are last to die. Seeds germinate in 12 days.

**1220 — ORANGE QUILLS.** See Novelties. Pkt., 25c.



1212 CALENDULA Pacific Beauty Mixed. Pkt., 25c.

## 1206 CALENDULA Vaughan's Special Mixture

**Mixture.** This is a well balanced mixture of the finest named varieties, including the giant variety Campfire, Pacific hybrids, the popular Chrysanthemum strain and other fine varieties and types. In color they range from soft cream yellow to bright orange, giving a delightful collection for cut flower use, as well as for border display. They are selected for heat resistance, so give a longer season of bloom than most. Pkt., 15c.

## BEGONIAS

For a complete listing see our Home Greenhouse and House Plants from Seed. Page 50



1250 CANARY BIRD VINE Pkt., 25c.

## Canary Bird Vine

**1250** A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. Pkt., 25c.

## Cypress Vine

*Culture: A, B, D or E. Page 52*

A graceful, twining annual climber with fernlike foliage and star shaped blossoms. Sow when ground is warm, first soaking seeds in warm water, germination takes 5-10 days.

**2040 — MIXED.** Scarlet and white. Pkt., 15c.

## ANNUALS FOR FRAGRANCE

**Alyssum**

**Heliotrope**

**Petunia**

**Candytuft**

**Lantana**

**Scabiosa**

**Carnation**

**Matthiola**

**Stocks**

**Centaurea**

**Mignonette**

**Sweet Peas**

**Imperialis**

**Nasturtium**

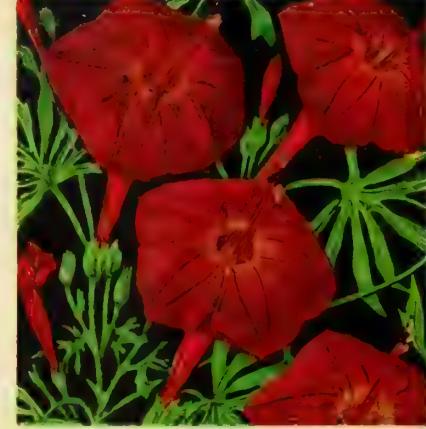
**Wallflower**

**Dianthus**

**Nicotiana**

**2118 FRAGRANT ANNUALS MIXED.** A mixture of the above varieties. Pkt., 25c.

**4746 ANNUALS FOR SHADE MIXED.** Pkt., 25c.



1320 CARDINAL Climber. Pkt., 15c.

## Cardinal Climber

*Culture: A or B, D or E, Page 52*

**1320** This is a very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like laciniate foliage. It bears fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomocas it delights in a warm, sunny situation and rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1st. Germination takes 5-10 days. The vines are a favorite playground of Humming Birds. Pkt., 15c.

**2690 — HEARTS AND HONEY.** See Novelties. Pkt., 25c.

## Grow Cacti from Seed

*Culture: C, D or E, Page 52*

Growing Cacti from seed is easy and interesting, each miniature plant being perfect. The seeds germinate irregularly over a period of 14 to 40 days.

**1251 — CACTI.** All kinds and forms mixed

Pkt. 25c; 5 pkts. for \$1.00

## Godetia (Satin Flower)

*Culture: A, B, D or E. Page 52*

Attractive, bushy plants with masses of large, colorful blossoms during the summer and fall. Thrive best in a cool, moist soil. Seeds germinate in 15 days.

**2595 DOUBLE VAUGHAN'S SPECIAL MIXTURE.** Double flowers closely set on spike, bright and attractive. Pkt., 15c.

## Ornamental Cotton

**1997** Sown indoors, and transplanted after danger of frost is over, cotton plants develop quickly into low bushes of definite ornamental value, with lovely pink buds followed by creamy blossoms. The white bolls make winter bouquets, and teach the children a valuable lesson. Sorry, cannot be sent to California on account of quarantine regulation. Pkt., 25c.

See Perennials.

# Popular Bachelor Buttons

Culture: A, B, D or E, Page 52

## CENTAUREA CYANUS SUPER DOUBLE

A perfected strain of this popular hardy annual, which every one can grow in any garden soil. They have larger flowers, more double, with more vivid coloring and long, wiry stems, making fine cut flowers. If the faded flowers are kept cut, the plants will blossom continuously throughout the summer. Seeds germinate in 8 days.

**1505 BLACK BOY.** Blackish maroon. Pkt., 15c.

**1506 BLUE BOY.** The true corn-flower blue. Pkt., 15c;  $\frac{1}{4}$  oz., 30c.

**1507 PINKIE.** Lovely true pink. Pkt., 15c.

**1508 RED BOY.** Deep glowing red. Pkt., 15c.

**1509 SNOWMAN.** Pure white. Pkt., 15c.

**1522 VAUGHAN'S SPECIAL SUPER DOUBLE MIXED.**  $\frac{1}{4}$  oz., 30c;  $\frac{1}{2}$  oz., 50c; pkt., 15c.

**1504 JUBILEE GEM.** A dwarf variety, making a compact plant covered with double dark blue flowers. Foliage forms a tufted mass of bright green. 12 in. Pkt., 15c.

**1500 JUBILEE MIXED.** 1 ft. The plants have a similar habit to blue Jubilee Gem, forming low bushes with a blossom terminating every stem and branch. Self-seed in most localities, and do well from fall sown seed. Pkt., 25c.



1522 CENTAUREA Cyanus Vaughan's Special Super Double Mixed. Pkt., 15c.

## Celosia

### (Cockscomb)

Culture: A, B, D or E, Page 52

THE popular name is derived from the resemblance of the flower heads of the crested type to a cocks comb though in texture they are like plush or chenille. Flowers may be cut at any growing stage. Strip off leaves, hang head downward in a very dry, warm, dark place. Do not let flower heads touch. Allow to dry two weeks. Any chaff may then be rubbed off and flowers ready for use. Seeds germinate in 20 days.

### CRESTED TALL SORTS

**1436 GILBERT'S MAPLE GOLD.** 3 ft. The heads are almost globular, and the dominant color is a golden maple, varying toward rose pink. The plants bear eight to twelve heads, increased if the center stem is pinched back. Do not feed. Pkt., 25c.

**1437 GILBERT'S ROSE BEAUTY.** 2 ft. The color is a uniform bright rose pink on a silver base and should run 90% or better true to type. Makes an excellent cut-flower. Pkt., 25c.

**1439 GILBERT'S HARLEQUIN.** 2 ft. Uniform bush type, pinkish gold turning to a salmon, then to a bright shell-pink. Excellent as a cut-flower at any stage. Perfect plant for bedding purposes. Pkt., 25c.

**1434 GILBERT'S MAPLE GOLD AND ROSE BEAUTY MIXED.** 2 ft. A pleasing blend of two famous Gilbert varieties. Pkt., 25c.

**1440 GILBERT'S GREEN GOLD.** See Novelties. Pkt., 25c.

**1441 GILBERT'S GOLD DUST.** See Novelties. Pkt., 25c.

**1472 ROYAL VELVET.** 2 ft. Produces numerous long-stemmed plump heads of crimson. Foliage bronzy green with reddish margins. Pkt., 25c.

**1435 TALL MIXED.** Pkt., 15c.

**1430 CRESTED DWARF SORTS MIXED.** 8-10 in Pkt., 15c.

### OSTRICH PLUME SORTS

The numerous massive plumes which resemble ostrich feathers wave gracefully above the foliage. 2 to 3 ft.

**1450 MIXED.** Pkt., 15c.

**1460 PRIDE OF CASTLE GOULD.** Compact pyramidal plants produce immense flower heads, resembling plumes in many colors. Pkt., 25c.

**1468 CHINESE WOOLFLOWER MIXED.** 2 to 3 ft. Pkt., 15c.

**1451 GOLDEN FLEECE.** See Novelties. Pkt., 25c.



## Candytuft (Iberis)

Culture: A, B, D or E, Page 52

Successive plantings give flowers all summer. Seed germinates in 5-10 days. May be sown late in Fall in Tulip beds for summer flowering.

**1260 GIANT HYACINTH-FLOWERED WHITE.** 1 ft. Large, bold spikes of snowy white flowers. Plant sturdy and compact. Pkt., 15c.

**1287 UMBELLATA MIXED.** 1 ft. Flowers in umbrella form.  $\frac{1}{4}$  oz., 30c; pkt., 15c.

**1290 DWARF HYBRIDS MIXED.** 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink to lilac and purple-crimson.  $\frac{1}{4}$  oz., 30c; pkt., 15c.

## Annual Hollyhocks

Culture: A or B, D or E, Page 52

These annual kinds bloom the first year and will live over winter and last for several years. If sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July. Seeds germinate in 8 days.

**2845 EVERBLOOMING DOUBLE MIXED.** 5 ft. Double and semi-flowers in softer attractive pastel shades Pkt., 15c.

**2841 INDIAN SUMMER MIXED.** 5 ft. All America Bronze Medal winner. These lovely double hollyhocks, of wide range of pleasing colors, have all the beauty of the perennial type, and are in fact hardy perennials. But they grow so quickly from spring sown seed, that by mid-summer you have blossoms, which continue until late into fall. Pkt., 25c.

## Giant Sweet Sultans

Culture: A, B, D or E, Page 52

The beautiful, decorative flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition. They have a soft fragrance and add beauty to the garden picture. Seeds germinate in 8 days.

**1570 CENTAUREA IMPERIALIS, MIXED.** 2 $\frac{1}{2}$  ft. Pkt., 10c.

**CINERARIA.** See page 50.



1790 CLARKIA Vaughan's Special Mixture. Pkt., 15c.

## Daisy Corner

**2050 VAUGHAN'S MIXTURE OF ANNUAL DAISIES.**

These simple flowers have a charm of their own. We have a mixture of the most popular sorts. They will add a definite touch to your garden besides good cutting material for the home. Pkt., 25c.

## Double Clarkia

Culture: A, B, D or E, Page 52

The lovely Clarkias are effective in the garden or as cut flowers in the home. Great spikes of double and semi-double flowers in the daintiest colors are produced from the poorest soil. Plant in shade. If the roots are confined by growing in small pots, they will bloom earlier. Seeds germinate in 8 days.

**1790 VAUGHAN'S SPECIAL MIXTURE.** 3 ft. Made up especially from named varieties  $\frac{1}{8}$  oz., 35c; pkt., 15c.

# Cosmos from July to Frost

Culture: A, B, D or E, Page 52

Plants of graceful beauty, fine feathery foliage and large flowers. While the early varieties begin blooming in July, the Cosmos reaches the height of its beauty in the autumn. The new giant early varieties are wonderful cut flowers, holding in good condition for 10 days after cutting. We list only the early flowering varieties, as the late varieties are so apt to be taken by early frosts. If the faded flowers of the early varieties are kept cut, they will provide a succession of bloom from July until killing frosts. Seeds germinate in 8 days

## SENSATION, GIANT EARLY STRAIN

Early flowering, blooming in about 12 weeks from sowing. The flowers are very large, 4 to 5 inches across, with heavy fluted petals. Height about 4 feet. By disbudding, enormous flowers can be obtained.

1964 DAZZLER. Very rich, deep crimson.

1968 PINK. A delightful rose-pink selection.

1967 PURITY. A white with satin sheen.

1969 RADIANCE. Deep rose with rich crimson zone.

1966 SENSATION SPECIAL MIXED.

Each of the above, pkt., 25c; 3 pkts. for 65c

## DOUBLE EARLY FLOWERING 3 FT.

Forms a perfect bush, massed with bloom, bearing beautiful flowers of good size, on long stems, about 65 per cent coming double.

1990 PINK.

1991 WHITE.

1992 CRIMSON.

Each of the above, pkt., 25c; 3 pkts. for 65c

1994 DOUBLE MIXED. Above 3 colors. Pkt., 25c.

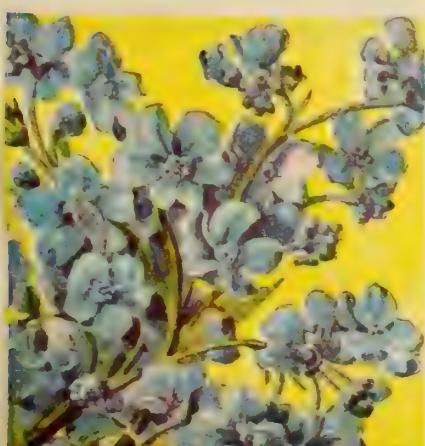
1982 ORANGE RUFFLES, SEMI-DOUBLE. Vivid golden orange, the two or three extra rows of petals lend an airy butterfly-like beauty to the richly colored blossoms. Extremely free blooming, flower 10 days to 2 weeks before Orange Flare and remain in flower six weeks. Pkt., 25c.

1980 YELLOW FLARE. 3 ft. Bright clear yellow. The single flowers are about 2½ in. across, produced in abundance. Delightful when used in flower arrangements. Give same cultural care as Fiesta. Pkt., 25c.



1984 COSMOS FIESTA. Pkt., 25c.

1984 FIESTA. 2½ ft. All America Silver Medal 1952. Flowers of bright gold striped with scarlet are borne on dwarf bushy plants. Blooms are similar in form to Yellow Flare, semi-double with ruffled petals, and are freely borne all summer, following an early start. A good border subject and attractive cut flower. Pkt., 25c.



2015 CYNOGLOSSUM BLUE BIRD. Pkt., 15c.



1966 COSMOS Sensation Special Mixed. Pkt., 25c.



1696 CHRYSANTHEMUM VAUGHAN'S RAINBOW MIXED. Pkt., 15c.

## Chrysanthemums

### Annual Single Flowering 20 in.

Culture: A, D or E, Page 52

Of the easiest culture; flower profusely during late summer and fall. They are showy in the garden and fine for cutting. Prefer heavy soil. All types should be pinched back to encourage branching. Seeds germinate in 8 days.

1696 VAUGHAN'S RAINBOW MIXTURE. This wonderful new strain of *Carinatum* Hybrids includes purple, scarlet, orange, salmon rose, yellow, white, all beautifully zoned. Pkt., 15c.

## Chinese Forget-Me-Not

Culture: A, B, D or E, Page 52

On upright branching stems, terminal spikes of blue flowers are borne throughout the summer. One of the finest sources of blue masses in beds or borders. Seeds germinate in 8 days.

2015 CYNOGLOSSUM AMABILE, BLUE BIRD. 18-24 in. Produces long sprays of sky-blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ½ oz., 30c; pkt., 15c.

2020 FIRMAMENT. 12 in. It is dwarf, free-blooming over a long season; flowers a bright indigo blue. It is recommended for dry, poor soil. Pkt., 25c.

2022 WHITE CLOUD. See Novelties. Pkt., 25c.

1803 CLEOME PINK QUEEN. See Novelties. Pkt., 25c.

1804 CLEOME HELEN CAMPBELL. See Novelties. Pkt., 25c.



1696 CHRYSANTHEMUM VAUGHAN'S RAINBOW MIXED. Pkt., 15c.

## Korean Mums

Culture: A, B, D or E, Page 52

1621 KOREAN HYBRIDS. These large, single flowers of many lovely colors can be flowered from seed the first year. The hardy Korean species is crossed with garden varieties. Seeds germinate in 15 days. Pkt., 35c.

Vaughan's Seed Company 25



2086 DAHLIA UNWIN'S DWARF HYBRIDS. Pkt., 25c.

# Grow Dahlias from Seed

2086 UNWIN'S DWARF HYBRIDS. This remarkable strain produces branching plants 2 to 3 feet tall bearing semi-double flowers 3 inches in diameter, of lovely soft pink, lavender, crimson, apricot, buff, orange, canary, cream, white and yellow. They are as easily grown from seed as zinnias, and blossom in sixty days from seed sown in the garden row. Sow after the ground warms up and danger of frost is over, and give each plant at least one foot in the row. They give a striking effect in the border and are unsurpassed as cut flowers. They flower until frost kills the plants and produce tubers which can be saved. Pinched back, they make fine pot plants.  $\frac{1}{2}$  oz., 60c; pkt. 25c.

Culture: D or E, A or B, Page 52

It is easy, fascinating, to grow Dahlias from seed. If the seed is started early, plants will bloom the same season. Sow in a shallow box or pan in March or early April, and keep the soil moderately moist. When all danger from frost is over, plant in the garden. Seed germinates in 8-10 days.

2087 UNWIN'S IDEAL BEDDING MIXED. 2 ft. The flower petals are nearly all twisted, double and semi-double in many charming colors, excellent for cutting. Pkt., 25c.

## DOUBLE DAHLIAS

2080 DOUBLE BEST MIXED. 3 ft. Saved from name and fancy sorts. Pkt., 25c.

2089 DOUBLE LILLIPUT POMPON MIXED. 3 ft. Small, round double flowers, in a mixture of beautiful colors, strong stems, good cut flower. Pkt., 25c.



## African Daisy

(*Dimorphotheca*)

Culture: A, B, D or E, Page 52

Showy annuals from South Africa, bearing gorgeous, Daisy-like blooms during summer and fall. Easy culture in well-drained soil, sunny exposure. Seeds germinate in 15 days.

2318 GLISTENING WHITE. 6 to 8 in. The petals of the daisy-like flowers 4 inches in diameter, glisten like white enamel. They are borne freely on low, spreading plants, like hot sun and dry weather, and flower long after frost. Pkt., 25c.

2320 GOLD DAISY. 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 25c.

2325 HYBRIDS. 1 ft. They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 15c.

2112 DATURA ANGEL'S TRUMPET. See Novelties Pkt., 35c



2415 ESHOLTZIA. Vaughan's Special Mixture. Pkt. 15c.

1855 COLEUS. Vaughan's Rainbow Mixture. Pkt., 35c.

## Coleus

Culture: D or E, Page 52

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days

1855 VAUGHAN'S RAINBOW MIXTURE. 1-2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 GLORY. 1-2 ft. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequalled for the beautiful form and coloring of its large leaves. Pkt., 50c

1857 LARGE LEAVED MIXED. Pkt., 35c

## California Poppy

*Escholtzia Californica*

Culture: A, B, D or E, Page 52

Plants of low spreading growth with finely cut silvery foliage bear gaily colored Poppy-like flowers with satiny petals. Do well in any well drained, loose soil and sunny position. Bloom early and continue until frost. Seeds germinate in 8 days

2415 VAUGHAN'S SPECIAL MIXTURE. Containing all the more important colors and color-combinations in this easy to grow and attractive free flowering annual.  $\frac{1}{8}$  oz., 40c; pkt., 15c

2476 GAILLARDIA Giant Double Sunshine Pkt., 25c.

## Gaillardia

Culture: A, B, D or E, Page 52

One of the most profuse bloomers of the flower garden. Gaillardias grow best in full sunlight. The double varieties are among finest of annuals for cut flowers and give excellent border display. Seeds germinate in 20 days

2476 VAUGHAN'S GIANT DOUBLE SUNSHINE. 18 in. A scintillating new color mixture. Huge fluffy "ball-like" double blooms, in a sprightly array of new colors. Chrome yellow to creamy white, burnished mahogany to burgundy wine—vivacious bicolor tippings of white, red, and yellow. The brightest Gaillardia mixture ever offered. Bushy plants with long stems make it a color bright-up wherever used. Continuous in its flowering throughout the summer. Pkt., 25c.

See also Perennial Pages.

# Brilliant Annual Pinks—Dianthus

Culture: A or B, D or E, Page 52



## Geranium Seed

Culture: A, B or C, Page 52

**2492 VAUGHAN'S SPECIAL MIXTURE.** Large Flowering Varieties. Improved single large flowered, seed saved from name varieties. Many charming varieties may be expected, even some doubles. This seed will germinate irregularly in from 14 days to two months. The plants may be lifted as they reach suitable size, but the seed box should not be disturbed until germination has ceased. Pkt., 35c.



2861 HUNNEMANNIA SUNLITE. Pkt., 15c.

## Hunnemannia

Culture: A or B, D or E, Page 52

**2861 SUNLITE.** 1½ ft. Gorgeous, semi-double, clear canary-yellow blooms. The extra rows of short petals are on the outside instead of the inside of the Tulip-shaped flowers. Light gray-green foliage. Flowers last two to three days. Seeds germinate in 10 days. Pkt., 15c.

**IMPAIENS.** See Page 51

## Blue Gilia

Culture: A, B, D or B, Page 52

**2532 CAPITATA (Blue Thimble Flower).** 2 ft. Bushy plant of erect habit with fine feathery foliage covered all summer with rich sky-blue flowers, 1 inch across. Makes a good cut flower. May also be dried and used as everlasting. Pkt., 15c.

**2112 ANGEL'S TRUMPET (DATURA) IVORY KING.** See Novelties. Pkt., 35c.

A magnificent family producing their gay, sweet scented flowers in great profusion. They embrace a great variety of forms and come in a remarkably wide range of beautiful and rich color combinations. Sown in April where they are to bloom, and slightly thinned they make a wonderful show from July until cut down by frost. Many of this family will live over winter in our (Chicago) latitude. Seeds germinate in 8 days

**2262 LACINIATUS DOUBLE GAIETY.** A new double form of this popular annual. The fringing and twisting of the petals avoids any feeling of heaviness while the large flowers come in a bewildering variety of colors, red, white, pink and maroon, and are borne on 12 inch stems on compact plants. Pkt., 25c.

**2230 HEDDENSI FINEST MIXED.** 16 in. A tetra-ploid combining the large open flowers of *Dianthus Hedewigii* with the rugged growth and long stemmed habit of *Dianthus Chinensis*. Well-formed 2 in. flowers in large numbers on 16 in. stems, suitable for cutting. More tolerant of extreme temperatures than either of its parents. All the traditional *Dianthus* colors Pkt., 25c.

**2257 CHINESE DOUBLE MIXED.** 1 ft. Handsome clusters of very double flowers; many bright colors. Pkt., 15c.

**2247 BRILLIANT MIXED.** See Novelties. Pkt., 25c.

**2300 DIANTHUS VAUGHAN'S SPECIAL MIXTURE OF DOUBLE PINKS.** Selection of the best double pinks in cultivation, ranging in color through all the most brilliant shades. Pkt., 15c



2262 Dianthus Double Gaiety. Pkt., 25c.

**2301 VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE PINKS.** This magnificent mixture contains the cream of the annual pinks, both single and double. ½ oz., 50c. Pkt., 20c

## Helichrysum

(Strawflower)

Culture: A or B, D or E, Page 52

For winter bouquets, Straw Flowers should be cut before the centers open, and be hung upside down in a cool, dark place to dry. The foliage should be stripped off, and if it is desired, a fairly stiff wire may be twined about each stem to make them easier to handle in arranging them in bouquets. To grow large flowers, disbud, allowing only one bud to remain on each stem. Seeds germinate in 8 days

**2810 VAUGHAN'S SPECIAL MIXTURE OF HELICHRYSUMS.** 3 ft. This is a balanced blend of named varieties and many other color tones in large flowered strains, giving an amazing collection of flowers for winter bouquets. ½ oz., 35c; pkt., 15c.



2810 Vaughan's Special Mixture of Helichrysums. Pkt., 15c.



2681 GYPSOPHILA Elegans Grd. Alba 15c.

## Gypsophila

Culture: A, Page 52

Graceful plants of light, airy-like growth. The misty bloom adds interest to flower arrangements. Seed germinates in 10 days

**2681 ELEGANS GRANDIFLORA ALBA SPECIAL SELECTION.** 18 in. This is extremely free blooming, and petals considerably broader, making the flowers nice and round. ½ oz., 40c; ¼ oz., 25c; pkt., 15c

**2682 ELEGANS VIVID ROSE.** 18 in. Pkt., 15c  
**2683 —CRIMSON.** Pkt., 15c  
**2686 —MIXED.** Pkt., 10c

See also Perennial Pages

## Everlastings

**2440 MIXED.** A formula blend of varieties which can be dried for bouquet work, including *Statice*, *Gomphrena*, *Xeranthemum*, *Acroclinium*, *Salvia*, *Blue Bedder* and others. Pkt., 15c



**GOURDS.** Varieties Illustrated are: 1. Bottle Miniature; 2. (Not Available) 3. Large Dipper; 4. (Not Available) 5. Hercules' Club; 6. Turk's Turban; 7. Spoon; 8. Warted Sorts.



#### ARRANGE WITH GOURDS FOR DECORATIVE EFFECT

1927 **CORN (Calico Indian or Squaw).** The ears are used in making charm or Patio strings combined with the small gourd fruits. The kernels are of various bright colors. Matures in 100 days. Oz., 35c; pkt., 15c.



2458 **FLOWERING KALE.** 18 in. Although belonging to the Cabbage or Kale family, this Flowering Kale is entirely different as to its appearance. In young stage its leaves are green just like ordinary Kale but in autumn as the season advances remarkably beautiful colors begin to appear and paint whole plant self colors or mixed colors. The colors range from white, cream, pink, rose, magenta, etc., on dark green ground. As the plants grow, the colors become more brilliant. Seeds germinate in 10 days Pkt., 25c

#### DECORATIVE AND GOOD TO EAT

1928 **STRAWBERRY CORN.** While this is really a "Pop Corn" and a very good one at that, its charm is in its attractive effect of the tiny ears which are only 2 in. long and 1 1/2 in. wide and are a rich and shiny mahogany color, not unlike a gigantic strawberry. They are enclosed in straw-colored husks. Matures in 100 days. Pkt., 25c.



#### Fragrant Heliotrope

Culture: A or B, D or E. Page 52

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom. Seeds sown in the spring make fine plants for bedding out. Seeds germinate in 15 days.

2820 **MAMMOTH MIXED.** 1 ft. Large flowers ranging from dark blue to lilac. Pkt., 20c

2690 **HEARTS AND HONEY.** See Novelties. Pkt., 25c



2965 **KOCHIA** Chilensis. Pkt., 15c.

#### Kochia-Burning Bush

Annual Hedge Plant

Culture: A or B, D or E. Page 52

2965 **CHILDSII.** 2 1/2 ft. Pyramidal bushes of a pleasing, light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge. Seeds germinate in 15 days. 1/2 oz., 30c; pkt., 15c.



1928 **STRAWBERRY CORN.** Pkt., 25c.

# Annual Larkspurs

ANNUAL Larkspurs give fine spikes of bloom that are exceedingly graceful and attractive. They are perfectly hardy, the seedling plants surviving coldest winter weather. Sow very early in spring, thin out the seedlings as necessary and give each plant room for development. Seed may also be sown in late fall just before the ground freezes up for the winter for early flowers the following spring. In the summer germination is improved by chilling the seed several days in the refrigerator. Seeds germinate in 15 days

## LARKSPUR SUPREME

Culture: A, B, D or E, Page 52

This is an entirely new strain of the popular base branching type, which produces sturdy plants sending up from the base many flowering spikes, each a tall, strong, spire of beauty, the perfect cutting strain. The colors are not just slight variations from old varieties, but are new, distinct, with a brilliance equaled by no others. In California the central spikes grow to a height of 6 feet, with its companions only slightly lower. Florets are fully double closely placed on the stem

From Left to Right in Illustration:

- 2128 ROSE SUPREME. Deeper rose than any other
- 2127 LILAC SUPREME. Clear, pale lilac, free from pink.
- 2129 SALMON SUPREME. True salmon, stronger in tone than others
- 2130 WHITE SUPREME. Pure white without suggestion of pink
- 2132 PINK SUPREME. Deep rose pink, lovely under lights
- 2131 DARK BLUE SUPREME. Deep violet purple
- 2133 SUPREME MIXED. A blend of all the above with additional colors not yet introduced.  $\frac{1}{4}$  oz., 75c; Large Pkt., 25c.

Each of the above, pkt., 15c; any 4 pkts., 50c.



VAUGHAN'S LARKSPUR SUPREME

## Lovely Blue Lobelias



3049 LOBELIA Mrs. Clibran Improved 25c.

For varied and vivid tones of blue, produced in such abundance as to hide the leaves, the dwarf varieties are unrivaled. Best of all blues for edging and ribbon planting. By cutting back in midsummer, all-summer bloom is assured. Seed germinates in 10 days.

3041 BLUE GOWN. Clear deep blue, without eye, fine compact habit. Pkt., 25c.

3045 CRYSTAL PALACE COMPACTA. 4 in. Deepest blue, dark foliage. Pkt., 15c.

3049 MRS. CLIBRAN IMPROVED. 4 in. Flowers of deep blue with white eye. A compact plant completely covered with showy flowers which provide an interesting array of color in the bed or border. Pkt., 25c.

3070 DWARF MIXED COLORS. Pkt., 15c

## Trailing Lobelias

Are especially effective in hanging baskets or window boxes, where a long drooping effect is desired

3065 SAPPHIRE. Large, deep blue flowers, with a pure white eye. Pkt., 15c



## Four O'Clocks

Culture: A or B, D or E, Page 52

Showy summer and fall blooming plants that do well everywhere. Flowers open in the afternoon and all day if it is cloudy. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. Four O'Clocks make an interesting low hedge very rapidly. One of the best for smoky city sections. Seeds germinate in 10 days



3290 MIXED COLORS.  $\frac{1}{4}$  lb., \$1.50; 1 oz., 50c; pkt., 15c

3300 MIRABILIS UNIFLORA. Bright rose flowers of the most unusual "trumpet in trumpet" form. The effect is very like that of slender nicotiana trumpets rising from the centers of Petunia blooms. 30 in. tall. Pkt., 25c

## Annuals for Cutting

1400 The forty or more varieties in this blend are chosen for their value as cut flowers. They are the long stemmed brightly colored flowers that go so well in vases and baskets. This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated. For a continued succession of bloom, make two sowings, the first in early spring just as soon as the soil can be worked and a second when late tulips are in flower and peony buds showing color. 1 oz., 50c;  $\frac{1}{2}$  oz., 30c; pkt., 15c

## Linarias (Baby Snaps)

Culture: A or B, Page 52

Popularly called miniature snapdragons, these are charming free flowering border plants in bright and pastel tones. To get best results thin to 18 inches. Seeds germinate in 20 days



3035 LINARIA NORTHERN LIGHTS. Brilliant new colors characterize this new strain of the popular "Baby Snapdragon". Clear whites, bright yellows, vibrant blues and carmines are combined with a liberal sprinkling of reds and bronzes with yellow lip. Plants are bushy and erect; easily grown from seed and provide a quick show of color. 15 in. Pkt., 25c

# Gay Sun-Loving Marigolds



3136 MARIGOLD. Fluffy Ruffles. Pkt., 25c.

Culture: A or B, D or E, Page 52

**MARIGOLDS** come in every known tint and shade of yellow and orange and in mahogany tones running into a lively red. They bloom earlier when started under protection, but are easily grown from seed sown direct in the garden. Seeds germinate in 8-10 days.

## LARGEST, DAHLIA FLOWERED

3136 **FLUFFY RUFFLES**. Giant flowers of bright medium orange, with intensely ruffled florets. Very early to flower. Plants are semi-tall, 20 inches in height, with full length base-branching stems. Pkt., 25c.

3177 **DWARF GIGANTEA POT O'GOLD**. 12 inch. Plants are compact, well branched, bearing large blooms of bright deep orange. Flowers are somewhat loosely formed, with broad heavy petals; gracefully overlapping. Blooms early. Pkt., 25c.

3144 **EARLY SUNSET GIANTS**. See Novelties. Pkt., 25c.

## CARNATION FLOWERED

3129 **CALIFORNIA GOLD**. 2½ ft. Attractive deep orange flowers, with long loose petals artistically arranged, without Marigold odor. Flowers 2½ in. across on good wiry stems. Pkt., 15c.

3130 **FRILLS**. 2 ft. A new color in the frilly carnation-type marigolds with odorless foliage. Flowers grow 3½ in. across, clear, vivid golden orange with petals beautifully frilled and waved. Low growing plants produce their lovely flowers profusely summer and fall. Valuable for garden decoration; the long-stemmed flowers highly prized for cutting. Pkt., 25c.

3131 **REAL GOLD**. 2 ft. Large carnation-type flowers up to 4½ inches across are borne on compact bushes, rather late in season. Color is golden orange illuminated with yellow and flowers are abundant. Pkt., 25c.

3124 **YELLOW SUPREME**. A large bloom of honey fragrance, with broad, loose, frilled petals of a rich lemon-yellow, largest of true "Carnation flowered" type. Plants are vigorous, with foliage practically free from Marigold odor. Pkt., 15c.

## CHRYSANTHEMUM FLOWERED

3139 **HAPPINESS**. The large chrysanthemum-like flowers, 3½ in. across, are a cheerful golden-yellow. Plants are of uniform habit, growing 16 in. tall; early to flower and a profuse bloomer. An excellent companion to Golden Bedder. Pkt., 25c.

3151 **MAMMOTH "MUM"**. 30 in. The flowers are fluffy ball-like, light sulphur yellow in color. The flowers are 3½ in. across and 2 in. deep. Pkt., 25c

3127 **LIMELIGHT**. 3 ft. A pale primrose yellow or deep cream, in the incurved Chrysanthemum-flowered type. Early-flowering, 1½-2½ inches in diameter, free-flowering and coming quite true. Pkt., 15c.

3140 **VAUGHAN'S CHRYSANTHEMUM FLOWERED HYBRIDS**. 3 ft. An early flowering strain, bearing flowers of several distinct types, and tones of orange and yellow. Pkt., 15c.

3137 **GLITTERS**. See Novelties Pkt., 25c.

## 3150 VAUGHAN'S SPECIAL TALL MIXTURE.

This mixture includes all the African sorts, including this year's novelties. A packet will give you flowers of enormous size in a wonderful assortment of color. 3½ oz., 5th pkt., 15c.

3155 **SUPER GIANT MIXED**. All large flowered sorts. Pkt., 25c.

3195 **SPECIAL MIXTURE OF ODOR-LESS FOLIAGE VARIETIES**. All the odorless varieties in excellent blend Pkt., 25c

3154 **VAUGHAN'S TREASURE CHEST**. 2½ to 3 ft. Colors run from deepest orange through orange, yellow, buff to lightest primrose. Chrysanthemum Carnation and Peony-flowered, many 5 in. across ½ oz., 50c; Pkt., 15c

## 3175 VAUGHAN'S SPECIAL MIXTURE OF DWARF DOUBLE AND SINGLE VARIETIES.

These dwarf, compact strains are very attractive, each plant being covered with hundreds of small bright flowers, including listed varieties and many others of charming variations ½ oz., 50c; pkt., 10c

3176 **CUPID YELLOW, CUPID ORANGE, CUPID GOLDEN AND CUPID MIXED**. See Novelties. Each, pkt., 25c.



3135 MARIGOLD COLOR MAGIC. Pkt., 25c.

## Many-Colored Marigold

3135 **MARIGOLD COLOR MAGIC**. Brilliant colors of non-fading red to pure gold with many varied striped and mottled combinations in red and gold. Full double flowers, 2½ inches in diameter, the largest of the French sorts. Uniform in growth, approximately 6 inches in height when fully developed, plants are dwarf and compact. Because of its non-fading color, it provides a constant display from early summer to killing frost Pkt., 25c.

## Matricaria

Culture: D or E, A or B, Page 52

3206 **CAPENSIS IMPROVED. (Feverfew)**. 3 ft. Small, double white flowers, borne in clusters. They are perennial, but may be treated as annuals. Select flat petaled type, snow-white flowers. Seeds germinate in 12 days. Pkt., 35c

## Mesembryanthemum (Ice Plant)

2869 **CRINIFLORUM (Livingstone Daisy)**. Plants of lightly spreading, daisy-like flowers, 2 inches, pure white edged with rose, crimson, pink and buff; and elf colors. Will grow in crevices of paving or old walls and thrives in poor and sandy soil. Seed germinates in 8 days. Pkt., 25c.

## SINGLE FRENCH

3189 **SUNNY**. 15 in. Cheerful, single, bright yellow flowers, about 2 in. across with attractive wavy edges. Plants are well-rounded and covered with blooms Pkt., 25c

3179 **NAUGHTY MARIETTA**. 2 ft. Golden yellow flowers with mahogany star in center, 2 to 2½ in. across. Dwarf showy plants completely covered with bloom. Pkt., 25c

3187 **FLASH**. 18 in. All America Silver Medal. The name is descriptive of the bright combination of colors which range from vivid red through bronze with a few yellow flowers. Flowers grow 1¾ in. across. Pkt., 25c.

## DOUBLE DWARF FRENCH

A selection of new strains and varieties in the popular crested center type. 12 in. to 14 in.

3164A **BUTTERBALL**. 10 in. The name fits this pretty edging variety of canary yellow. It grows in a mound covered with 1½ inch globular blossoms. Early and continuous flowering, excellent for ribbon planting or pot plants. Pkt., 25c.

3174 **HARMONY**. Dwarf, compact, early, golden yellow bordered, maroon red. Pkt., 15c

3167 **RUSTY RED**. See Novelties. Pkt., 25c.

3163B **YELLOW PYGMY**. 8 in. Light lemon-yellow, Lilliput French double. Small, 1½ in. blooms, rather free and exciting for edging beds. Pkt., 15c.

3170 **HARMONY HYBRIDS**. Wide and varied range striking color combinations. 1½ inch flowers with crested center and flanking guard petals, early, 100% All Double. Pkt., 25c.

3160 **PARISIAN HYBRIDS**. See Novelties. Illustrated on our Front Cover. Pkt., 35c; ½ oz., 75c

3168 **LEMONDROP**. See Novelties. Pkt., 25c.

3169 **TANGERINE**. See Novelties. Pkt., 25c.

3157 **VAUGHAN'S SPECIAL MIXTURE**. Small Flowered Marigolds. See Novelties. Pkt., 25c

## Miniature Harmony

3170A **MARIGOLD SPRY**. 9 in. This is a miniature version of Harmony, growing in compact bushes, producing freely flowers less than half the size of the popular variety Harmony. It is uniform and fine for ribbon planting. Pkt., 25c.

3110 **LULU (Tagetes)**. See Novelties. Pkt., 25c.

3111 **URSULA (Tagetes)**. See Novelties. Pkt., 25c.



3170 MARIGOLD Harmony Hybrids, 25c.



3245 MIGNONETTE Machet. Pkt., 15c.

## Sow for Fragrance Mignonette (Reseda)

Culture: A or B, Page 52

A well-known, old-fashioned flower highly prized for its fragrance, either in the garden or in mixed bouquets. The plants resent moving and seed should be sown where they are to bloom, thinning them to a foot or more apart. Seeds germinate in 8 days.

3245 **MACHET SELECT.** 15 in. It is the best Mignonette for all purposes. It is an ever-bloomer, the flowers lasting until late in the fall.  $\frac{1}{8}$  oz., 35c; pkt., 10c.

3260 **MIXED.** Also many shades and types. Pkt., 10c.

## EVENING SCENTED STOCK or PERFUME PLANT

Culture: A or B, Page 52

3212 **MATTHIOLA BICORNIS.** 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume. Seeds germinate in 10 days. Pkt., 15c.

## Forget-Me-Nots

(Myosotis)

Culture: A, B or C, Page 52

Will bloom the first year from seed so treat as annuals. If wintered over, Alpestris varieties will bloom in early spring; they delight in well-drained soil in a sunny location. Other varieties listed will bloom from May until frost and prefer cool, moist loam and half-shade. For beds, borders, rock gardens, pots and cutting. Seeds germinate in 15 days.

3321 **ALPESTRIS BLUE EYES.** 10 in. Bright blue with white eye, large, early. Pkt., 15c.

3353 **ALPESTRIS ERECTA BLUE SPIRE.** Flowers of a vivid blue, deeper yet brighter than indigo, are borne in clusters on strong 12 inch stems of column-like habit. It is splendid for mass planting, combining with pink or yellow flowers, or interplanting with tulips. Pkt., 25c.

3356 **VAUGHAN'S EARLY AND LATE FLOWERING BLUE BIRD.** 1 ft. A beautiful deep blue variety. A perennial which blooms from seed if sown early the first year. Pkt., 25c.



## Nierembergia

Culture: D or E, Page 52

3412 **PURPLE ROBE IMPROVED.** The rich violet blue color is deeper than the original and the plants more dwarf and compact. This improved strain does not fade out under hot weather conditions. Pkt., 35c.

2901 MORNING GLORY.  
Giant Cornell. Pkt., 20c.1922 BUSH MORNING GLORY.  
Royal Ensign. Pkt., 20c.2941 MORNING GLORY. Heavenly Blue  
Clarke's Early Flowering. Pkt., 20c.2948 MORNING GLORY. Scarlett O'Hara.  
Pkt., 20c.

# Giant Morning Glories

Special Culture on Packet

If sown outdoors, do not sow until the ground is warm and summer established. Give plants full sun, porous soil, and do not overfeed, as this may limit flowers. Seeds germinate in 8-10 days.

2941 **HEAVENLY BLUE CLARKE'S EARLY FLOWERING.** A strain of Heavenly Blue selected for earliness. Flowers measure  $3\frac{1}{2}$  to 4 inches across. To sow indoors, nick through hard outer shell of seed with knife or file. Then sow in flower pot in good friable soil, and place where bottom heat of at least 70 degrees is provided. Keep indoors until weather is warm.  $\frac{1}{8}$  oz., 35c; pkt., 20c

2901 **GIANT CORNELL.** The flowers, as large as Heavenly Blue, are an intense carnelian red with pure white border, reproducing the colors of Cornell University, presenting a very gay appearance. Growth is rapid and flowers come early, when vine is two feet tall, increasing in number until killing frosts arrive. Pkt., 20c

2903 **DARLING.** Giant flowers, up to 4 inches in diameter, of a rich wine red with snowy-throat that provides enough contrast to make flower stand out immediately. An easily cultivated annual climbing vine, of vigorous growth and very free flowering. Pkt., 25c.

2943 **IMPROVED PEARLY GATES.** This is a white sport of the lovely Heavenly Blue morning glory and is similar in size, vigor of growth and abundant bloom, to that unsurpassed climber. Pkt., 25c

2948 **SCARLETT O'HARA.** Stunning  $3\frac{1}{2}$ -in. flowers of a soft velvety scarlet, borne in profusion from July until frost. The flowers stay open longer in the day than other sorts. Pkt., 20c.

# Moonflowers

"Moonflowers" are climbers.

These are Ipomoeas that bloom at sunset, fading in late morning. Very fragrant. Seeds germinate in 10-12 days.

2895 **BONA NOX (Evening Glory).** Violet. Pkt., 15c.  
2905 **MEXICANA GRANDIFLORA ALBA (White Moonflower).** Opens 4-5 inch white flowers every evening and cloudy day. Pkt., 10c.

2910 **GIANT PINK.** Soft lilac-pink flowers. Pkt., 10c.



3739 VAUGHAN'S DOUBLE TALL GLORIOUS GLEAM HYBRIDS. Colors never seen before in a double Nasturtium abounding in profusion—salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green.  $\frac{1}{4}$  lb., \$1.25; oz., 45c; pkt., 15c.



3403 NICOTIANA Daylight. Pkt., 35c.

## Nicotiana

### FRAGRANT TOBACCO PLANT

Culture: A or B, D or E, Page 52

Their long tubular flowers close in midday, but open as evening approaches and give forth a rich perfume. Seeds germinate in 20 days.

3403 DAYLIGHT. 1-2 ft. The white blooms remain fully open during even the most brilliant sunshine. Plants are of compact, bushy habit, with an abundance of pure white fragrant flowers. Pkt., 35c.

# Fragrant Nasturtiums

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. Leaves of Nasturtiums may be used for sandwich fillings and salads and the green seed pods may be used in pickles. Seeds germinate in 8-10 days. Sow after frost danger is over.

**APHIS ON NASTURTIUMS.** One of our friends writes in "Horticulture": "I am not troubled with aphis if I sprinkle moth balls (naphthalene) quite close to the stems of the plants." Rotenone and Black Leaf 40, are also effective.

### Tall, Double Fragrant Varieties

3735 GOLDEN GLEAM. The large double, golden yellow flowers on long stems are borne profusely well above the bright green foliage. Pkt., 15c.

3732 INDIAN CHIEF. Dark foliage and vivid scarlet flowers. Pkt., 15c.

3734 MAHOGANY. Large double flowers of dark mahogany-red. Pkt., 15c.

3736 SCARLET GLEAM. The flowers are a fiery orange-scarlet. Pkt., 15c.

3745 VAUGHAN'S SPECIAL MIXTURE OF TALL NASTURTIUMS. In this will be found all the choicest colors of all the Tall Nasturtiums, both single and double, and will furnish a brilliant display of flowers.  $\frac{1}{4}$  lb., \$1.00; 1 oz., 35c; pkt., 15c

### Dwarf, Double Fragrant Varieties

3548 CHERRY ROSE. An excellent variety for cutting, and showy in the border. Flowers  $2\frac{1}{2}$  to 3 inches across of a soft cherry-rose are produced earlier than others. Very free flowering. Oz., 50c; pkt., 15c.

3557 GARNET GEM. Deep, rich, garnet-red. The delightfully scented flowers have enough orange suffusion to enliven them with an iridescent glow that is most pleasing. Pkt., 15c.

3558 GOLDEN GLOBE. Identical in color with Golden Gleam, but making bushy plants which the freely produced blossoms convert into mounds of gold. Oz., 50c; pkt., 15c.

3560 DWARF DOUBLE GEM MIXED. Ideal for edging beds and window boxes. Evenly balanced range of bright colors. Oz., 45c; pkt., 15c.

3570 VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIUMS. This mixture is put up by ourselves from named single and double varieties which have the richest and most varied colors.  $\frac{1}{4}$  lb., \$1.00; 1 oz., 35c; pkt., 15c

### Old-fashioned, Free Flowering Single

3575 SINGLE DWARF NASTURTIUMS MIXED. Single flowering varieties are preferred by many because they flower more freely in some locations. This mixture includes a well balanced range of red, orange and yellow, even more varied than is found among the double type.  $\frac{1}{4}$  lb., \$1.00; oz., 30c; pkt., 15c.

Home Greenhouse  
and House Plants  
From Seed, See  
Pages 50 and 51.

### NICOTIANA—Continued

3390 AFFINIS. 2 ft. One of the most delightfully fragrant flowers, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. Pkt., 15c

3392 AFFINIS HYBRIDS. 2 ft. Splendid hybrids in blue, red and rose shades. Pkt., 10c.

3393 AFFINIS CRIMSON BEDDER. The flowers are of a rich deep crimson. 15 in. Pkt., 15c.

3404 ORANGE BLOSSOM (Miniature White). 18 in. An elegant small flowered pure white species; delightfully scented; even, upright growth. Daintier than the Affinis or Sanderae Hybrids. Pkt., 25c.

3402 DAYLIGHT SENSATION MIXED. 1 $\frac{1}{2}$ -2 ft. This new strain provides a brilliant color range lacking heretofore. Bright scarlet, crimson rose, mahogany, violet, yellow, coral, lilac and white, are included. The blooms remain open day and night, unlike the standard nicotiana, which closes in sunlight. Pkt., 25c.



4370 POPPY Shirley Vaughan's Special Mixture  
Pkt., 15c.

## Shirley Poppies

Culture: A, Page 52

Sow them early—since they defy frosts—and where they are to bloom, as they dislike transplanting. They flower quickly from seed. Successive sowings should be made to provide continuous flowering. Mix the seeds with sand to scatter them, and thin out to 8 inches apart. Seeds germinate in 20 days. They have beautiful satiny flowers, all with white centers. Foliage is hairy and finely cut.

4277 AMERICAN LEGION. 2 ft. A dazzling orange-scarlet of enormous size. Pkt., 10c

4238 DOUBLE BEGONIA FLOWERED SWEET BRIAR. A delightful shade of deep rose-pink. Pkt., 15c

4239 DOUBLE BEGONIA FLOWERED MIXED. The flowers resemble the double tuberous rooted Begonias in form, and contain an assortment of lovely light colors. Pkt., 10c

4370 VAUGHAN'S SPECIAL MIXTURE. 2 ft. Lovely and dainty tints, many edged and blended with other colors.  $\frac{1}{4}$  oz., 40c; pkt., 15c.

4251 PIERROT. Brilliant scarlet-red flowers on 20 in. stems, with striking black blotches at the base. Extremely free flowering, and the rich color is emphasized by the light grayish-green foliage. Blooms within eight weeks from sowing. Pkt., 25c

## Annual Sunflowers

### Helianthus Large Flowered

Seeds germinate in 15 days

Culture: A or B, D or E, Page 52

2700 GAILLARDIA-FLOWERED OR RED SUNFLOWER. 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow. Pkt., 10c.

2713 SUN GOLD. 4 ft. Fully double flowers burst into bloom on the same day, 70 days after sowing. Pkt., 15c

2725 RUSSIAN MAMMOTH. 8 ft. Single, of gigantic dimensions. The Kansas Sunflower.  $\frac{1}{4}$  lb., 35c; 1 oz., 15c.

2760 VAUGHAN'S SPECIAL MIXTURE. Includes all the single and double Sunflowers above and others.  $\frac{1}{2}$  oz., 25c; pkt., 10c

# Giant Pansies

Culture: A, B or C, Page 52

PANSIES have long been a specialty with us. We introduced the Swiss Giants to American gardens and named and introduced in this country the lovely Canadian Maple Leaf strain. Leaflet on pansy culture will be supplied if requested on order. Seeds germinate in 10 days.

**3893 VAUGHAN'S DWARF SUPER SWISS MIXED.** For those who desire plants dwarfer than the original type, we have had our grower make this selection. The colors are the same but the plants lower and more compact. Pkt., 35c.

**3775 BUTTERFLY HYBRIDS.** A pastel strain with colors in pink, buff, overlaid in pink or bronze, orchid, lavender, yellow, from delicate pale gold to rich orange, pastel red, salmon, coral, rose, all overlaid with a delicate bronze. Pkt., 75c.

**3826 FELIX.** Large flowers in many interesting color combinations, all with vividly contrasting black-veined throats. Pkt., 50c.

**3840 TRIMARDEAU MIXTURE.** It has a complete color range, of older varieties. Pkt., 15c.

**3881 ENGELMANN'S GIANT.** A special strain selected and developed by an English grower. The plants are dwarf and compact and the huge flowers, in many dark and light tones appear early. Pkt., 25c.

## GIANT SWISS VARIETIES

**3892 ALPENGLOW.** Rich wine-red shades Pkt., 35c.

**3891 BLUE (Ullswater) (Thunder Sea).** Deep blue flower with blue-black blotches. Pkt., 35c.

**3820 CORONATION GOLD.** The largest pure gold self. Pkt., 35c.



3894 PANSIES Vaughan's Super Swiss Giant Mixed. Pkt., 35c.

**3894 VAUGHAN'S SUPER SWISS GIANT MIXTURE.** The flowers are gigantic size, perfectly round fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall.  $\frac{1}{16}$  oz., \$1.75;  $\frac{1}{8}$  oz., \$3.00, pkt., 35c.

## SPECIAL MIXTURES

**3794 VAUGHAN'S SUPER MAPLE LEAF GIANT MIXTURE (Canadian Giants).** The leaves are of giant size and flowers up to 4 inches across, of wonderful substance and fine form. Many charming colors.  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.00. Pkt., 50c.

**3875 VAUGHAN'S GIANT MIXTURE.** This mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc. All the flowers are of the Giant type and of good shape and texture.  $\frac{1}{8}$  oz., \$1.75; pkt., 25c.



3892 PANSY SWISS ALPENGLOW Pkt., 35c.

**3897 DELFT BLUE.** A delightful tone of translucent blue. Pkt., 35c.

**3862 FIRE BEACON.** Bright orange-red. Pkt., 35c.

**3900 PURE WHITE.** Pkt., 35c.

**3893 YELLOW (RHEINGOLD).** Rich yellow with blotches on the three lower petals. Pkt., 35c.

**3901 SWISS RASPBERRY ROSE.** See novelties. Pkt., 35c.

## Statice

(For Winter Bouquets)

Culture: D or E, Page 52

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, and is indispensable in making winter bouquets. Seeds germinate in 30 days.

**4806 SINUATA NEW HYBRIDS.** 30 in. Art Shades, in a mixture for the garden and winter bouquets. Pkt., 15c.

## WINDOW BOX MIXTURE

**5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE.** A charming selection of quick growing annuals including both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.



3891 PANSY Swiss Blue (Ullswater) Pkt., 35c.



4560 RICINUS Zanzibar Mixed. Pkt., 15c.

## Ricinus (Castor Bean)

Culture: A or B, D or E, Page 52

Giant, strong growing plants, with ornamental foliage. These plants are reputed to drive away moles from a garden. Seeds germinate in 15 days.

**4546 CRIMSON SPIRE.** 6 ft. Large purplish leaves hanging to bronze green. Stems strong and veins are rich red; seed spikes and seed pods are brilliant crimson. Most showy.  $\frac{1}{2}$  oz., 30c; pkt., 10c.

**4570 MIXED.** Many sorts.  $\frac{1}{2}$  oz., 30c; pkt., 10c.

**4560 ZANZIBAR MIXED.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are  $2\frac{1}{2}$  to 4 ft. across. Each plant a perfect pyramid.  $\frac{1}{2}$  oz., 30c; pkt., 10c.

**PERIWINKLE** See Vinca in Novelties. Pkt., 15c.

**Vaughan's Seed Company** 33



4066 DWARF CALIFORNIA GIANTS MASTER BLEND. We recommend this as the finest strain of Giant Flowered varieties, coming into bloom when plants are small in a wide range of color, all with veined throats. Ruffled flowers, 5 inches and more across, borne on compact bushy plants 12 inches in height. Pkt., 35c.

## Large Flowering Petunias

The flowers of this type average 3 to 4 inches across.

### SINGLE FRINGED

4061 BALLERINA (F-1 Hybrid). See Novelties. Pkt., 50c.

4049 DAINTY LADY. A large flowering single fringed variety of delicate golden yellow, the first really yellow Petunia. To protect this coloring, plant in light shade, as bright sunlight fades it. Pkt., 35c.

4056 BOLERO (F-1 Hybrid). The carmine-rose flowers are well ruffled and fringed, 3½-4 inches across, on plants that are uniformly dwarf and compact. Free flowering. Pkt., 50c.

4050 FLAME. See Novelties. Pkt., 50c.

4084 IRENE. Glowing cherry scarlet, with yellow center, richly veined. Flowers four and a half to five inches in diameter. This is the brightest red of all large fringed varieties. Pkt., 35c.

4097 LA PALOMA (F-1 Hybrid). Large well fringed flowers of pure white with attractive yellow throat. A uniform vigorous grower, extremely free blooming. Pkt., 50c.

4097 RUFFLED LITTLE GIANTS PINK FRILLS. (PINK SHADES). See Novelties. Pkt., 50c.

4048 FRINGED SNOWSTORM. 20 in. Flowers white with yellow throat, 3-inch diameter and deeply fringed. Pkt., 35c.

4080 TANGO (F-1 Hybrid). Deep salmon outside of bloom, shading to scarlet salmon nearer throat. Beautifully fringed flowers, 3½ to 4 inches across. A truly dwarf plant but due to hybrid vigor are strong growing and extremely free blooming. 12 to 15 in. high, with a spread of 2 ft. Very brilliant. Pkt., 50c.

4062 THEODOSSIA. 20 in. Fringed rosy pink with a golden center. Fine for porch boxes. Pkt., 35c.

4051 RUFFLED LITTLE GIANTS MIXED. 8-10 in. A brilliant mixture of large fringed and ruffled flowers which cover the dwarf erect plants. The flowers are pure pink, pink and white, pure red, and red and white. Fine for borders. Pkt., 35c.

### SINGLE PLAIN EDGE 12—16 IN.

4099 DWARF PINK GLORY. A very large well formed flower of exquisite luminous pink with a contrasting paler throat, plant dwarf and compact. Pkt., 25c.

4058 ELK'S PRIDE. RE-SELECTED. Velvety black-purple, one of best dark blues. Pkt., 25c.

4063 PURPLE PRINCE. Deep velvety blue-purple flowers, large and waved, freely borne on compact plants. Our Trial Ground planting caused much comment because of its rich velvety color and freedom of bloom. Pkt., 35c.

4055 SNOW STORM. Glistening white, faintly yellow in the throat. Huge 4 to 5 in. flowers Pkt., 35c.

4067 WHITE CLOUD. Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.

4100 VAUGHAN'S BEST MIXTURE LARGE FLOWERING SINGLE. Includes Giant Ruffled, all colors of large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats and mammoth flowers. Pkt., 35c.



### ILLUSTRATED ABOVE

4076 FLUFFY RUFFLES MIXED. The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue, about 75% will be ruffled. Pkt., 35c.



4080 PETUNIA Tango. 50c.



4055 PETUNIA Snow Storm. Pkt., 35c.

# Small Flowering Single Petunias

Culture: D or E, Page 50

In dry season or wet, the Petunia is the most adaptable, long flowering and colorful of the garden annuals. There is an almost complete color range from the pure white to delicate yellow, through many shades to red and rich purple, veined or blotched with plain or frilled edges. There are small, large single, and double flowered Petunias make good cut flower material. We supply a leaflet on culture if asked for with order. Seeds are very tiny and germinate in 20 days.

## SINGLE DWARF SMALL FLOWERING PETUNIAS 12 to 15 IN.

**3996 ADMIRAL.** In uniform growth, and unvarying clear dark blue coloring of its abundant blossoms this excels all other small-flowered blue Petunias. Pkt., 50c.

**4017 CELESTIAL ROSE.** Improvement on Rose of Heaven. More compact in growth and deeper in color. A beautiful rich satin rose with white throat. Pkt., 25c.

**4014 COMANCHE (F-1 Hybrid)** Bronze Medal All America 1953. See Novelties. Pkt., 50c

**3997 FIRE CHIEF.** Winner of Gold Medal in All America trials, 1950. A dwarf, compact plant, single flowers of intense pure red, which develops its greatest brilliance when grown in a cool, sunny location. Pkt., 25c

**4001 HEAVENLY BLUE RE-SELECTED.** A silvery light blue. Varies about 10% in tone. Pkt., 25c

**4007 GLOW.** The richest red small flowered single petunia, a dwarf, bushy plant, which is covered with  $2\frac{1}{2}$ -inch flowers of dazzling carmine red. Pkt., 25c.

**4005 IMPROVED ROSY MORN.** An improved strain of the popular clear pink bedding variety. Of deeper coloring, more compact growth, and freer flowering with the same white throat.  $\frac{1}{2}$  oz., 35c; pkt., 15c

**4022 KING HENRY.** Compact, globular habit, large blooms of a velvety blood red color on short stems. A dwarf Flaming Velvet. Pkt., 25c.

**4019 LIPSTICK.** A rich new color in the same class as Celestial Rose. The plants are covered with medium-sized single flowers of a rich carmine rose with just a suggestion of salmon. Especially valuable in locations where other varieties are inclined to fade because of intense sun. 12 to 14 in. Pkt., 35c.



3996 PETUNIA ADMIRAL. Pkt., 50c



3997 PETUNIA Fire Chief. Pkt., 25c.



4019 PETUNIA Lipstick Pkt. 35c.

**4023 PINK SENSATION (F-1 Hybrid).** 24 in. tall, bushy plants, flowers in great profusion. Blossoms light rose-pink. The plants are held erect by strong stems without sprawling. Pkt., 50c.

**4012 PETUNIA ROSE CHARM (F-1 HYBRID).** 12-16 in. Single flowers of clear deep rose produced in the abundance that characterizes hybrid vigor cover the compact bush produced by this plant, which spreads laterally, often covering a 3-foot circle. Pkt., 35c

**4018 ROSE OF HEAVEN.** Select. Deep rose-pink darker than Rosy Morn, with inconspicuous white throat. Unfading in hot sun.  $\frac{1}{2}$  oz., 40c; pkt., 25c.

**3990 VIOLET QUEEN (Improved Blue Bird).** Rich violet, compact and dwarf, best strain, Pkt., 25c.

**4030 STARRED MIXTURE.** A formula-blend of such garden favorites as Twinkles, Howard's Star Improved and many others bought especially for this mixture. All bright starred, free flowering sorts which will provide an interesting border in the summer garden. Pkt., 25c.

**3975 HOWARD'S STAR IMPROVED.** Red purple with white star. Pkt., 15c.

**BALCONY TYPE 18-24 IN.** Single large flowering of trailing habit especially suited to window boxes. Colors are distinctively lovely.

**4042 BALCONY MIXED.** A well-balanced color range. Pkt., 25c;  $\frac{1}{2}$  oz., 40c.

**4025 VAUGHAN'S SPECIAL MIXTURE OF DWARF SMALL FLOWERING VARIETIES** includes all the varieties listed and many others, and will be a revelation to those who plant a packet, in furnishing an unending supply of flowers in a most bewildering combination of colors.  $\frac{1}{2}$  oz., \$1.25;  $\frac{1}{2}$  oz., 75c; pkt., 25c.



3939 PETUNIA All Double Sonata Pkt., \$1.00.

## ALL DOUBLE PAN AMERICAN STRAIN (Large Flowering)

**3936 ALLEGRO IMPROVED.** 18 in. Large fully double flowers of deep salmon pink have fringed petals, and enchanting form. Plants vigorous, compact. Pkt., \$1.00.

**3937 CAPRICE IMPROVED.** 15 in. Deeply fringed flowers of bright rose are borne on compact dwarf plants. The favorite petunia color. Pkt., \$1.00

**3938 NOCTURNE.** 18 in. Dark blue purple blossoms, with petals of plain edge, accent the beauty of lighter colors in border and in flower arrangements. Pkt., \$1.00.

**3934 RHAPSODY.** Deep burgundy wine-purple flowers of good size, fully fringed and double on dwarf free branching plants. 100% large flowered. A new color in Petunias. Pkt., \$1.00.

**3939 SONATA.** 18 in. Best All-double white. Large pure white double flowers with fringed petals, are borne on vigorous branching plants. Invaluable in all arrangements. Pkt., \$1.00.

**3940 ALL DOUBLE GLORIOUS MIXED.** A formula blend including all the colors offered of this fine Petunia group, including the new variety Rhapsody. Pkt., \$1.00.

## ALL DOUBLE DWARF SMALL FLOWERING

**3932 AMERICA (Improved).** 1 ft. First All-double produced in America. Flowers of carnation form and size, 100% double, compact plants. Flowers average  $2\frac{1}{4}$  inches. Pkt., (100 seeds), 50c; 1,000 seeds, \$3.50.

**3935 ALL DOUBLE ROSE MARIE.** 18 in. The dwarf compact plants are profuse blooming and the delightful rose pink flowers grow 3 in. and more across. Wonderful for beds and borders. Lovely cut flowers. Pkt., (100 seeds) \$1.00.

**3949 ALL DOUBLE COLOSSAL SHADeS OF ROSE.** See Novelties. Pkt., \$1.00



3975 PETUNIA Howard's Star Improved. Pkt., 15c.

# Phlox, the Gayest Annual

Culture: A or B, D or E, Page 52



4220 PHLOX Vaughan's Special Mixture. Pkt., 25c.

For a brilliant display, plant Vaughan's Special Mixture. Seed may be sown in the open as soon as frost danger has passed. Sow where the plants are to flower as they do not like to be transplanted. 12 inch. Seeds germinate in 20 days

## Phlox-Beauty

The finest large flowered Dwarf Phlox. Round compact bushes 6 to 8 in. in height, covered with large blooms which are almost twice the size of the regular strains. The shades are clear and soft, many being pure self colors.

4166 BLUE BEAUTY  
 4169 PINK BEAUTY  
 4170 SALMON BEAUTY  
 4171 SCARLET BEAUTY  
 4173 WHITE BEAUTY  
 Each of the above, Pkt., 25c.

4174 BEAUTY MIXED, a formula blend. Pkt., 25c.

4175 CUSPIDATA OR STAR MIXED. Quaint and unusual flower formation. Pkt., 25c.

4207 GLOBE MIXED. Honorable Mention 1952 All America Selections. Pkt., 25c.

## Giant Phlox

4103 GIGANTEA ART SHADES. A strain with flowers 1½ inches in diameter, in a remarkable variety of soft color tones, which blend delightfully. Pkt., 25c.



Culture: A, D or E, Page 52

## DOUBLE PURPOSE RUNNER BEANS

4766 SCARLET EMPEROR. Runner beans serve a double purpose—they provide both flowers and food. Some persons do not realize that these beans are good to eat, yet in England they are grown by the acre by market gardeners for their city trade. Pkt., 15c.

## WINDOW BOX MIXTURE

5844 ANNUALS FOR WINDOW OR PORCH BOX IN MIXTURE. A charming selection of quick growing annuals including both compact and trailing types with brilliant colors and long flowering season. Pkt., 20c.

## Annuals for Shady Locations

Anchusa  
 Antirrhinum  
 Begonia  
 Bellis Perennis  
 Canary Bird Vine  
 Centaurea  
 Clarkia  
 Coleus  
 Cynoglossum  
 Impatiens  
 Linaria  
 Myosotis  
 Nasturtium  
 Nicotiana  
 Nemophila  
 Pansy  
 Petunia, Small Fl.  
 Schizanthus  
 Stocks  
 Torenia  
 Violas  
 4746 ANNUALS FOR SHADE MIXED. Pkt., 25c.



4426 PORTULACA Jewel Pkt., 25c.

## Portulaca

Culture: A, D, Page 52

### MOSS ROSE FOR HOT, DRY PLACES

Portulaca makes a brilliant carpet for a sunny, dry spot. Flowers like little Roses. In sowing, mix the seed with many times its bulk in dry sand. Sow when ground is warmed. Seeds germinate in 20 days.

## LARGE FLOWERING SINGLE

4426 SINGLE JEWEL. No one who has in mind the usual Portulaca flower can imagine the beauty of this new variety, which is four times as large, and of a brilliant deep crimson coloring. It is as free flowering as smaller varieties. Pkt., 25c.

4430 SINGLE MIXED. ¼ oz., \$1.10; ½ oz., 60c; Pkt., 15c.

## LARGE FLOWERING DOUBLE

4442 DOUBLE SCARLET GLOW. A brilliant orange scarlet of true double form. Plant in a sunny spot when the ground is warm in the spring and it will be a mass of color all summer. Pkt., 25c.

4455 DOUBLE BEST MIXTURE. Improved strain which comes 100% double, with larger flowers, and an exceptional range of color, including new tones of red, orange, lavender and yellow. ¼ oz., \$1.35; ½ oz., 75c; Pkt., 20c.



4430 PORTULACA Single Mixed. Pkt., 15c.

## Colorful Stocks

Culture: A or B, D or E, Page 52  
 TURDY flower spikes covered with rosette blossoms in soft colors of an exceptional tone range. Stocks require a rich soil of a sandy, well manured loam. Only 60 per cent will come double. Sow seed early in the house and transplant outside when all danger of frost is over. A cool temperature crop.

## BISMARCK OR GIANT IMPERIAL

If sufficient room is given, the plants form magnificent bushes with long and thick flower stalks. 2½ ft

4949 BISMARCK MIXED. Pkt., 15c

## DWARF LARGE-FLOWERING DOUBLE TEN WEEKS STOCK 12 IN.

4865 BEST MIXED. Pkt., 15c.  
 STOCKS COLUMN NON-BRANCHING. See page 51.

My Cactus Hybrid Zinnias have been just beautiful in full bloom from early Summer. The flowers so large and the colors so bright and clear. Mrs. L. (Michigan



4455 PORTULACA Double Best Mixed. 20c

# Gold-veined Salpiglossis

Culture: A or B, Page 52

ONE of the easiest of annuals to grow, the Salpiglossis is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every flower so noted. Its blossoms, similar in shape to a Petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches. Seeds germinate in 8 days.

**4630 VAUGHAN'S SPECIAL MIXTURE.** Our mixture is formula-made and includes many self-colored as well as brightly veined flowers. An easy-to-grow annual that will provide a bright spot in the garden as well as interesting cutflowers throughout the Summer.  $\frac{1}{8}$  oz., 40c; Pkt., 15c

**4620 DWARF GIANT FLOWERED MIXED.** Giant flowers of all the delightful colors of this gold-veined trumpet flower are borne on low growing plants of compact habit, and will cover the bed or border with glowing color. Many consider this the best of all summer cut flowers. Pkt., 15c



5635 TAHOKA Daisy. Pkt., 25c.



4640 SALVIA SPLENDENS America. Pkt., 25c.



4683 SALVIA Farinacea Blue Bedder. Pkt., 25c.

## Sky Blue Star Flower

**4825 THE SOUTHERN STAR (OXYPETALUM COERULEUM.)** Star-shaped flowers measuring 1 in. across, are borne in long loose sprays. The stems arch so that the lovely blue blossoms, veined orange, face upward. A valuable addition to the all too short list of blue annuals. Sown in early April, it flowers in June and continues blooming until cut down by frost. Pkt., 25c.



4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.

## Tahoka Daisy, 20"

Culture: A or B, D or E, Page 52

**5635** A beautiful lavender-blue Daisy with fern-like foliage, on good long stems. Flowers are tinted with rose as they fade, center deep yellow. Under open ground culture the plants are in bloom by middle of June and flower until October. Excellent for cutting. To get an even and quick germination, keep seeds in refrigerator two weeks. Pkt. 25c

## Salvias

Culture: D or E, A or B, Page 52

The brilliant scarlet Salvia Splendens, so highly valued in summer beds, borders, window boxes and as cut flowers, is by no means the only worthy member of this family. Wedgwood blue Salvia Farinacea Blue Bedder is increasingly popular in summer borders. Seeds germinate in 15-20 days.

### SPLENDENS

**4640 AMERICA, OR GLOBE OF FIRE.** 16 in. Freesia and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

**4642 BRIGHTNESS (Improved Splendens Type).** The plants grow as tall as the old Splendens. The habit is much more compact and the bloom is much earlier, starting about the same time as Bonfire. We consider it a great improvement on Splendens Pkt., 25c

**4655 CLARA BEDMAN OR BONFIRE.** 2 ft. The spikes grow erect above the foliage forming handsome globular bushes. Pkt., 25c.

**4656 ROSE FLAME.** Rich coral pink which blends well with other flower colors and overcomes the objection of many to the vivid scarlet sage tones. More brilliant and desirable than any other pink that has been introduced to date. Pkt., 25c

**4669 ST. JOHN'S FIRE.** See Novelties Pkt., 35c

**4667 VAUGHAN'S MASTERPIECE.** 18 in. A dwarf early flowering variety. Massive scarlet spikes even compact habit. Pkt., 25c

### OTHER SALVIAS

Culture: A or B, D or E, Page 52

**4683 FARINACEA BLUE BEDDER.** 2½-3 ft. A true Wedgwood blue. It makes a splendid background for all other colors in the border, and can be dried as an Everlasting. Is especially handsome when grown behind a line of pink Petunias. Pkt., 25c

See also Perennial Pages.

## Alpine Strawberry



**4828 BARON SOLEMACHER.** This wonderful novelty has the largest berries in this strain. It makes no runners; flowers in eight weeks and produces quantities of fruit. Wash the berries, sprinkle with sugar several hours before using. The berries will almost float in juice. This brings out the flavor. Pkt., 25c.

## Sensitive Plant

Culture: D or E, A or B, Page 52

**3270 MIMOSA.** 1 ft. A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Flowers like pink fluffy balls. Seeds germinate in 10 days. Pkt., 15c



5645 TORENIA FOURNIERI. Pkt., 15c.

## Torenia (Wishbone Flower)

Culture: D or E, A or B, Page 52

**5645 FOURNIERI.** Bushy globular plants literally covered with the lovely, richly-colored Snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. Likes a damp soil. 1 ft. Seeds germinate in 15 days. Pkt., 15c



Vaughan's Seed Company 37

# New Type Scabiosas

Culture A or B, D or E, Page 52

Sweet Scabiosas have a soft fragrance and add beauty to the garden picture. They are fast growing annuals and among the most important cut flowers. Blooms on long, slender stems, which are exceedingly graceful; known as the Pincushion Flower because the stamens of some varieties are light in color and stick out so that they resemble pins stuck in a cushion. Seeds germinate in 20 days.

## Super Crown Imperial Giant

**4731 BLUE MOON.** 4 ft. Large blossoms of conical shape of sky-blue tinged with lavender, borne on long strong stems ideal for cutting. Pkt., 15c.

**4732 BRIDESMAID.** Large flowers with broad frilled petals in an interesting range of salmon pink shades. Pkt., 25c.

**4717 CORAL MOON.** 4 ft. In form here is another Blue Moon, a ball of broad frilled petals, but in varying shades of medium to deep salmon, clear and luminous. A lovely companion for its sister flower of sky-blue, with the same long, wiry stems. It blooms early and bears abundantly until killed by frost. Pkt., 25c.

See also Perennial pages.



4731 SCABIOSA BLUE MOON. Pkt., 15c.

## Sweet Peas Multiflora (Zvolanek)

An interesting new development in Sweet Peas, coming into flower between the Cuthbertson (Heat Resistant) and Early Spencer groups. Five and six flowers will appear on a stem, all of good size and in bloom at one time. Very free flowering.

**5300 BEAUTY ROSE.** Deep American Beauty. Very brilliant.

**5301 LAVENDER.** Orchid-lavender.

**5302 ORANGE CERISE.** Very brilliant.

**5303 ORCHID.** A true orchid, a new color in Sweet Peas.

**5304 ROSE PINK.** Giant flowers, very bright.

**5305 SALMON PINK.** Rose pink with a salmon tint.

**5306 WHITE.** Pure white, white seeded.

**5307 MIXED.** A complete color blend which includes the above and others.

Each of the above, ptk., 25c.

## Sweet Peas that Flower in Hot Weather

**CUTHBERTSON SWEET PEAS.** The fact that they continue blooming long after hot weather comes, and other sweet peas have died, is not the only merit of this splendid strain. They are the true Spencer, orchid flowering type, and have exceptional vigor. Their colors are bright and clear, stems long, flowers large and deliciously fragrant.

**5265 MIXED.** A brilliant well-balanced blend. Pkt. 20c;  $\frac{1}{2}$  oz., 65c; oz., \$1.00.

**COLLECTION No. 5250.** One packet each Sweet Peas Cuthbertson. Includes medium blue, white, scarlet, salmon-cream pink, rose pink, rosy crimson, deep salmon, clear pink and deep orange. \$1.00.

For better results, Sweet Pea seed should be inoculated with nitrogen before planting. Garden size packet, 15c.

**COLLECTION NO. 5600.** One Packet Each, Sweet Peas, Early Flowering Spencer, **Fragrant Varieties** Amethyst, Apollo, Blue Bird, Fragrance, Gardenia, Giant Rose, Harmony, Laddie Improved, Mrs. Herbert Hoover and White Harmony. 75c

## SPENCER SWEET PEAS

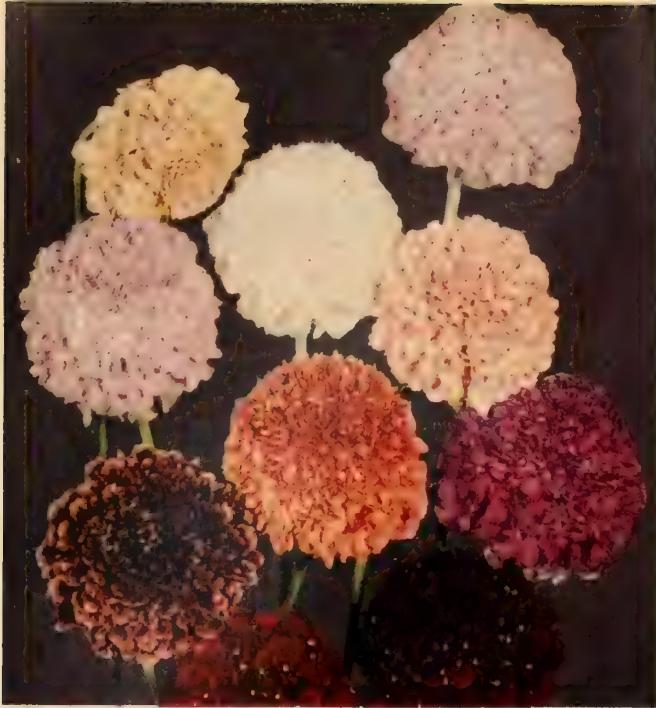
**5622 RUFFLED MIXED.** An outstanding mixture, including blue, cream, rose, salmon and white, all extra large, prettily ruffled and frilled. Pkt., 15c.



5644 TITHONIA TORCH. Pkt., 15c.

For something different in your bouquet of Everlastings, use Bell of Ireland. This unusual bit of green makes an excellent filler and will create quite some interest.

**VINCA ROSEA (Periwinkle).** See Novelties. Pkt., 15c.



4735 SCABIOSA Super Crown Imperial Giant Mixed. Pkt., 25c.

**4735 VAUGHAN'S SUPER CROWN IMPERIAL GIANT MIXED.** An entirely new strain of this lovely flower. Larger than older kinds, the globular blossoms,  $2\frac{1}{2}$  to 3 inches across, are fully double, entirely eliminating the "pin cushion" center of older types, and displaying the full beauty of their broad, wavy petals. The colors are soft and pleasing, in a complete range from white, salmon, coral, rose and red to various tones of blue. Plants stand 3 feet tall, and the flowers are borne erect on tall stems, making excellent cut flowers, as well as presenting an attractive garden display. Pkt., 25c.

**4733 LAVENDER MOON.** Large ballshaped flowers of silvery lavender on long stems. Pkt., 25c.



5265 CUTHBERTSON Sweet Peas, Mixture. Pkt., 20c.

**5595 VAUGHAN'S SPECIAL MIXTURE, EARLY FLOWERING SPENCERS.** A Formula-blend made from named sorts, including the most fragrant varieties. This strain is recommended for all sections where Spring is late as they flower before the summer heat arrives. Oz., 70c; ptk., 15c.

**SPENCER SWEET PEAS**

**5622 RUFFLED MIXED.** An outstanding mixture, including blue, cream, rose, salmon and white, all extra large, prettily ruffled and frilled. Pkt., 15c.

# Bright Hued Verbena

Culture: D or E, A or B, Page 52



5749 VERBENA. Dwarf Master Blend. Pkt., 35c.

These colorful annuals originated as desert plants, and thrive in the sun, flowering continuously. They make gay garden beds and bouquets. Do not sow the seed outdoors until the soil gets warm (May 15th to June 1st). May also be started earlier indoors to advantage. Grow only 6 to 12 inches tall but spread to 2 feet across. Seeds germinate in 8 days.

## HYBRIDA GIGANTEA 1 FT.

A magnificent strain of robust habit, the individual florets measuring an inch in diameter.

5701 GIGANTEA ALBA. Pure white. Very fragrant.

5718 —LAVENDER GLORY. A true lavender with a medium-sized creamy white eye. The color runs about 80% true. It is also distinctly fragrant.

5721 —SALMON KING. A pleasing shade of clear deep salmon. Florets larger by comparison with any other variety of Verbena. The plant habit is of tight compact growth, eliminating the open centers. Pkt., 25c.

5710 —SPECTRUM RED. Intense bright red.

5720 —VIVID. The most brilliant sunproof scarlet; brighter and more intense in color than Spectrum Red. Large uniform trusses, and proportionately large florets. The numerous trusses growing close together form a solid carpet about 8 in. tall. The tight compact growth eliminating the open centers. Pkt., 25c.

Each of the above, except as noted, pkt., 15c; any three pkts. for 35c.

5730 VERBENA Vaughan's Best Mixture. Includes all the Hybrida and Gigantea sorts and other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the summer.  $\frac{1}{2}$  oz., 65c; pkt., 15c.

5726 BUSH TYPE MIXED. Plants of uniform bushy habit about 8 to 10 inches high, with flower heads practically touching each other. A ribbon of color for the border. Includes vivid red, salmon pink, attractive mid-blue with white eye and clearest white. Pkt., 25c.

# Hardy Violas

Culture: A or B, Page 52

BECAUSE of their free flowering habit and long season of bloom, Violas are becoming rapidly more popular for use in the foreground of the border, in small beds, and in rockeries, where their dwarf spreading habit is welcomed. They continue flowering all summer. Seeds germinate in 10 days.

## CORNUTA TYPE—10 IN.

5790 BLUE PERFECTION. Light blue. Pkt., 20c.

5804 CHANTREYLAND. Apricot. Pkt., 25c.

5796 JERSEY GEM. Flowers of rich pure violet, large, fragrant, flowering all summer. Pkt., 25c.

5802A KING HENRY (Purple King). A deep purple violet with yellow eye. Pkt., 25c.

5806 WHITE PERFECTION. Finest white. Pkt., 20c.

## CORNUTA HYBRIDA (LARGE FLOWERS)

5787 ARKWRIGHT RUBY. Bright ruby crimson shaded terra-cotta; fragrant. Pkt., 25c.

5790A CHINESE BLUE. A round-faced type such as Jersey Gem with flowers of pure sky-blue. Pkt., 25c.

## MISCELLANEOUS VIOLAS

5797 JOHNNY-JUMP-UP OR VIOLA TRICOLOR. Also known as "Ladies' Delight" and "None so Pretty." They are more hardy than others and if allowed to seed will carpet a Rose or Iris bed with a mass of flowers early in May. They bloom all season. Purple, blue and yellow are the three colors that give them their name. Pkt., 25c.

5811A NIGRA OR BLACK IMP. Quaint little flowers that might have been snipped from black velvet, come true from seed. May be naturalized effectively. Blooms quickly first year from seed. Pkt., 25c.

5805 YELLOW GEM. Free flowering clear yellow of compact habit. Pkt., 20c.

5813 VIOLA Vaughan's Special Mixture. A charming and delightful mixture of these bright and everblooming Violas in a complete color range, from pale lavender to rich purple-black, yellow, white, terra-cotta, apricot and rose. Pkt., 25c

Viola Georgia Peach, see illustration in our Novelties, page 17, was an attractive bit of color in our 1953 Trials where it stood up well, despite a summer of exceptional heat.



5805 VIOLA CORNUTA. Yellow Gem. Pkt., 20c. 5790 BLUE PERFECTION. Pkt., 20c.

5804 CHANTREYLAND. Pkt., 25c. 5806 WHITE PERFECTION. Pkt., 20c.

5814 COLLECTION. 1 Pkt. each of 4 above Violas, 60c.

# Decorative Zinnias



## Midget Zinnias

6126 VAUGHAN'S MIXTURE OF MIDGET ZINNIAS. (MEXICANA TYPE). 1 ft. Includes more than fifteen varieties, all delightful, charming in the garden and of just the size to make attractive table arrangements. Many of your friends will never recognize them as Zinnias.  $\frac{3}{4}$  oz., 50c; pkt., 15c.

### Cupid Type. The smallest of all. 1 ft.

Compact plants of bushy habit. Each upright stem bears a flower 1 in. in diameter. Ideal for cutting and for use in miniature vases.

6025 CUPID MIXED. Pkt., 15c.

Mixtures of Annuals containing many different species, such as our Surprise Garden Mixture and Annuals for Cutflower Mixture, should be sown in two lots. Some species grow best under cool conditions, while others do best in warmer soil.

We recommend sowing the first lot as soon as the ground can be worked in Spring. The second should be sown when late Tulips are in flower, or when peony buds are showing color. This double sowing will give a much wider range of Annuals from a single packet.



6050 ZINNIA Lilliput Tom Thumb Mixed. Pkt., 15c.

## Tom Thumb Zinnias

6050 ZINNIA LILLIPUT TOM THUMB MIXTURE. Small double flowers cover the plants which grow 6 inches tall. Red, orange, pink, yellow and white pastels. Delightful for low bowls. Pkt., 15c.

## Scabiosa Flowered

6159 MIXED. 2 $\frac{1}{2}$  ft. On a single corona of outside petals stands a crown of small florets similar in form to the flowers of the Scabiosa. Only a certain percent will be true to name. Pkt., 15c; 3 pkts., 40c.

Culture. A or B, D or E.  
Page 52

THEY bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants and cut flowers. Seeds germinate in 5-7 days

## Cut-and-Come Again

### PUMILA DOUBLE

These bushy plants with their wealth of bloom are showy garden subjects as edgings or in mass plantings. The more they are cut, the more they bloom.

6080 SNOW BALL.

6100 WATERMELON

PINK. A very pleasing and charming shade of salmon-rose.

6097 PINKIE. Rose-pink.

Each of the above, pkt., 15c; 2 pkts. for 25c.

6105 PUMILA

VAUGHAN'S SPECIAL MIXED.  $\frac{3}{4}$  oz., 50c. Pkt., 15c.

6099 SUNSHINE TINTS. New rich pastel shades

Fine for cutting or for borders. Flowers average 2 in. across and plants are about 18 in. tall Pkt., 15c.



6075 ZINNIA Lilliput, Vaughan's Specia Mixed. Pkt., 15c.

## Lilliput Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers. They bloom all summer. 12 to 15 in.

6071 BLACK RUBY. Rich deep maroon

6052 BRIGHT PINK.

6073 CANARY YELLOW.

6068 ROSE BUD. Rose-pink.

6065 SALMON ROSE GEM.

6067 WHITE GEM.

Each of above, pkt., 15c; any 2 pkts., 25c.

6075 LILLIPUT VAUGHAN'S SPECIAL MIXED. All above and others. Oz., \$1.75;  $\frac{1}{4}$  oz., 65c; pkt., 15c.

6070 LILLIPUT PASTEL MIXTURE. 15 in. A carefully chosen mixture of pastel tints of yellow, pink, rose and orchid. They flower in 45 days. Pkt., 15c.



6110 ZINNIA Red Riding Hood. Pkt., 15c.

## A Favorite Border Plant

6110 RED RIDING HOOD. 1 ft. Of compact form covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective.  $\frac{3}{4}$  oz., 75c;  $\frac{1}{2}$  oz., 40c; pkt., 15c.

## Fantasy Type

2 $\frac{1}{2}$  ft. shaggy, ray-like petals, like Cactus Dahlia

5910 MELODY. A rich soft orchid lavender; the medium sized flowers have finely curled and twisted petals, light and dainty in appearance. Free blooming, coming into flower early and giving continuous bloom through the summer months. Pkt., 25c

5912 ORANGE LADY. Bright deep orange

5911 ROSALIE. Intense rose.

5909 STAR DUST. Deep golden yellow

5913 WHITE LIGHT. Pure white

5914 WILDFIRE. Rich dazzling scarlet

Each of the above, except as noted, pkt., 15c; 2 pkts. for 25c.

5908 MIXED. A bright colorful mixture of shaggy petalled double flowers.  $\frac{1}{4}$  oz., 60c., pkt., 15c.

6180 PEPPERMINT STICK MIXED. See Novelties. Pkt., 25c.



5910 ZINNIA FANTASY MELODY. Pkt., 25c.



## Rich Color Texture in New Strain

**6043 PERSIAN CARPET.** 18 in. All America Honorable Mention 1952. On compact bushy plants, flowers as large as a silver dollar are produced in the greatest abundance. They resemble dahlias, rather than zinnias, with pointed petals tipped with contrasting colors. They are fully double, almost globular and their colors are deep and rich, including yellow, orange, red, crimson, maroon, and pink in harmonious patterns, which fully justify its poetic name, Persian Carpet. They grow quickly from seed and bloom with increasing abundance until killed by frost. Pkt., 25c.

## New Cactus

### Hybrids

**5857 ZINNIA FLORADE SCARLET.** Although among the largest of modern Zinnias, this intense scarlet-red flower is unusually graceful in form, with twisted and quilled petals that give it an informal air without any trace of stiffness. Strong vigorous stems up to 30 in. tall, with flowers often measuring 5 in. across Pkt., 25c.

**6038 ZINNIA RIVERSIDE BEAUTY.** 2 ft. Flowers of warm azalea-pink which often measure 5 inches in diameter have curled and twisted petals informally arranged. It is entirely free from stiffness and charming in effect, whether as a cut flower, or growing in the border. Pkt., 25c.



5857 ZINNIA Florade Scarlet. Pkt., 25c.



6127 ZINNIA. Linearis. Pkt., 15c.

## Smallest Zinnia

**6127 LINEARIS.** 10 in. The flowers, with a single row of petals, are one and one-fourth inches in diameter; at first each golden orange petal carried a greenish stripe down the center and a greenish tip, but as the flower developed the green turned to light yellow, making a pleasing contrast with the orange of the outer portions. The quarter-inch orange center cushion turned dark as the flower developed. Early flowering. Pkt., 15c.



5895 SUPER GIANT VAUGHAN'S SPECIAL MIXTURE. Pkt., 25c.

## Giants of New Race

**5895 SUPER GIANTS, VAUGHAN'S SPECIAL MIXTURE.** A new strain remarkable not only for its great size, but for many colors not found elsewhere. Petals are fringed, some picoteed, with many two-toned combinations. It is a mixture, not yet selected into well fixed varieties which come true, but this fact will heighten its interest for many gardeners, who will be delighted by many lovely pastel tones, as well as dark shades to be found in every planting. Petals are usually waved and fringed. Flowers grow 5½ to 6½ inches in diameter; tones of cream, buff, apricot, salmon, rose and orange predominate, but there are also flowers of yellow, white, scarlet and crimson, with many two and three-tone combinations. Pkt., 25c.



## All-Type Zinnia Collection

9 Packets (\$1.45 value) \$1.00

**6185 ALL-TYPE ZINNIA COLLECTION.** So varied are the forms and colors of the zinnia, an entire garden can be planted with this native American flower. Illustrated above are nine distinct forms, varying from dwarfs to giants, bearing small flowers and large, capable of filling every garden role. One packet each of the following 9 varieties are included in this collection: Dahlia Flowered Gold Medal Mixture; Fantasy Mixed; Cupid Mixture; Pumila Vaughan's Special Mixtures; Lilliput Vaughan's Special Mixture; Scabiosa Flowered Mixed; Vaughan's Midget (Mexicana) Mixture; California Giants Vaughan's Special Mixture; Super Giant Vaughan's Special Mixture. All nine packets, (value \$1.45) for \$1.00



6133 ZINNIA Crimson Monarch. Pkt., 15c.

## California Giants

They are larger than Colossal and a cross between that and the Dahlia Flowered types. They have smaller flat centers with petals more loosely placed. The petals are decidedly imbricated and the flower graceful. Grow 3 to 4 ft. tall.

6161 <b>BRIGHTNESS.</b> A bright, deep rose.	6163 <b>MISS WILMOTT.</b> Soft pink
6164 <b>CHERRY QUEEN.</b> Brilliant cherry.	6151 <b>ORANGE KING.</b> Orange scarlet.
6162A <b>CRIMSON QUEEN.</b> Rich crimson.	6153 <b>PURITY.</b> A clean pure white.
6161A <b>DAFFODIL.</b> Canary yellow.	6166 <b>ROSE QUEEN.</b> Warm, deep rose.
6162 <b>ENCHANTRESS.</b> Light rose, deep rose center.	6154 <b>SAFETY QUEEN.</b> Salmon apricot.
6169 <b>GOLDEN QUEEN.</b> Golden yellow.	6165 <b>SCARLET QUEEN.</b> Glowing scarlet
6146 <b>GRENADIER.</b> Bright dark red.	6149 <b>VIOLET QUEEN.</b> Deep purple.
6147 <b>LAVENDER GEM.</b> Rosy lavender.	

Each of the above, pkt., 15c; any 4 pkts. for 50c.



6168 ZINNIA Isabellina. Pkt., 25c.

6168 **ISABELLINA.** A beautiful soft cream-yellow, blending well in all color combinations in the garden or in flower arrangements. For many years unobtainable, we are again able to offer seed. Pkt., 25c

### ALL THE ABOVE AND OTHERS IN MIXTURE

6156 **CALIFORNIA GIANTS, VAUGHAN'S SPECIAL MIXTURE.** This is specially blended from a prepared formula to insure well balanced color harmony, and will make a gorgeous display in mass planting; in the cutting garden it insures an all-summer supply of flowers for bouquets.  $\frac{1}{2}$  oz., \$1.35  
1/4 oz., .75c; pkt., 15c

## Dahlia Type Zinnias

Zinnia seed should not be sown until the ground is warm. Seeds germinate in 7 days in fertilized soil and watered freely, flowers will be more completely double

### GIANT DAHLIA FLOWERED ZINNIAS 2 TO 3 FT.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other; the flowers often 4 inches in depth and 6 inches in diameter

6131 <b>CANARY BIRD.</b> Rich canary yellow
6133 <b>CRIMSON MONARCH.</b> Rich crimson, largest and best of red shades
6134 <b>DREAM.</b> A fine, deep rosy lavender
6134A <b>ELDORADO.</b> Salmon apricot.

6135 **EXQUISITE.** Color light rose with center a deep rose

6137 **GOLDEN DAWN.** Beautiful shade of golden-yellow

6130 **ILLUMINATION.** A striking self-color of deep rose

6130A **LUMINOSA.** Bright pink

6142 **METEOR.** A rich glowing deep red, darkest of all red shades

6138 **ORIOLE.** An immense orange and gold bicolor

6139 **POLAR BEAR.** A very large pure white, the best white

6143 **ROYAL PURPLE.** A deep rich reddish purple

6141 **SCARLET FLAME.** Bright scarlet.

6143A **WILL ROGERS.** Most beautiful scarlet red

5901 **SUPER CROWN OF GOLD PASTEL TINTS.** Large well-formed flowers in rich pastel shades, each petal overlaid at the base with deep golden yellow.

Each of above

Any four pkts., 50c; pkt., 15c.

6145 **GIANT DAHLIA FLOWERED, GOLD MEDAL MIXED.** All the above and others, including a bewildering variety of delightful colors, all giant flowers. Seeds germinate quickly in warm soil and flowers begin in a few weeks. A mass planting not only decorates the border, but the home as well.  $\frac{1}{2}$  oz., \$1.35;  $\frac{1}{4}$  oz., .75c; pkt., 15c



## Shaggy Flowered Giants

5891 **ZINNIA DAVID BURPEE.** 4 ft. This is a distinct strain of giant flowers, which is full of surprises, all of a pleasant nature. While giant flowers of the shaggy Fantasy type are most numerous, other forms are frequent; and colors include cream, chamois, buff, rose, burnt-orange, terra cotta, apricot and some two-toned. All are interesting, some exciting; a "Surprise Garden Mixture" all by itself. Plants grow vigorously and flowers have long, wiry stems. Pkt., 15c

### All Giant Zinnia Mixture

6170 **VAUGHAN'S SPECIAL MIXTURE OF ALL GIANT SORTS.** This includes all giant varieties listed on this page and many others. All colors are represented. Planted in a mass, it will produce a display of vivid colors; in the cutting garden it will provide cut flowers of giant size and a full range of colors from July until killing frosts come in the fall.

.25c

5893 **ZINNIA VAUGHAN'S SPECIAL MIXTURE OF ALL TYPES.** This is intended for the cutting garden, and includes all colors and types of Zinnias, large and small flowered, as well as Gaillardia flowered, Fantasy and other novelty strains. Most interesting combinations of form and color can be made in bowls and vases with flowers cut from a row of this mixture. Pkt., 25c

# Vaughan's Perennial Flower Seeds

If sown in the early spring, perennial flowers will grow into sturdy plants by fall and if moved then to their permanent places they will give normal bloom the following summer. Some varieties will bloom

in the fall of the year they are planted. To grow your own perennials from seed enables you to have an abundance of plants for small outlay, plus the knowledge that your skill and effort produced them.



7055 **ALYSSUM**, *Saxatile Compactum*. Pkt., 15c.

## Achillea (Yarrow)

Culture: D or E. Page 52

Achilleas grow readily from seed in sunny, well-drained positions. They are fine border flowers. Seeds germinate in 12 days.

7008 **EUPATORIUM FILIPENDULA, PARKER'S VARIETY.** 3 to 5 ft. June-Sept. Clear yellow flower-heads, may be dried for winter bouquets. Pkt., 15c.

7010 **THE PEARL.** 2 ft. June to August. Pure white, double flowers, fine for cutting. Pkt., 15c.

## Aconitum (Monkshood)

Culture: C. Page 52

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates in 20-30 days. They should not be moved when once established, and require a mulch in winter. The roots are poisonous.

7026 **BARKER'S VARIETY.** 6 ft. Flowers are amethyst blue, considerably darker than Wilsoni. Pkt., 25c.

7020 **NAPELLUS.** 2 1/2 ft. July-August. Fine rich blue flowers. Pkt., 25c.

## Agrostemma

Culture: E, D or C. Page 52

7048 **CORONARIA ATRO-SANGUINEA.** 1 to 2 ft. June-Sept. Attractive, free flowering, producing deep blood red flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. Germinates in 20-30 days. Pkt., 10c.

## Alyssum (Madwort)

Culture: B, D or E. Page 52

Seeds germinate in 5-10 days.

7055 **SAXATILE COMPACTUM (BASKET OF GOLD).** 9 in. Almost as soon as winter is over it becomes a mass of yellow gold. Pkt., 15c

7056 **—COMPACTUM SULPHUREUM CITRINUM.** Lovely pale lemon flowers. Very effective with lavender or pink Tulips. Pkt., 15c

7057 **ROCK GARDEN VARIETIES MIXED.** Many rare species in mixture. Pkt., 15c

## Columbine

(Aquilegia)

Culture: B, C, D or E. Page 52

ONE of the best-known and best-loved perennials. Dwarf varieties for the rock garden, tall varieties for the border and for cutting, all are easily grown from seed. They prefer light shade, and thrive in any fairly rich soil. Seeds germinate in 30 days.

7150 **MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS.** The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. Pkt., 25c.



7144 **AQUILEGIA** *Longissima Hybrids*. Pkt., 50c.

### AQUILEGIA—Continued

7151 **DOBIE'S IMPERIAL HYBRIDS.** A strain with large, long-spurred flowers in strong, brilliant tones of all colors. Pkt., 25c.

7160 **CELESTIAL BLUE.** Outstanding Scotch Strain. Large flower, long spurs. Petals rich blue, corolla and spurs lighter blue. Comes true from seed. Pkt., 25c.

7156 **LONG-SPURRED CRIMSON STAR HYBRIDS.** The brightest red Columbine, long spurs and outer petals, rich crimson, center petals white; about 10% will be other interesting bicolors. Three-inch flowers on 2-foot stems. Pkt., 25c.

7158 **LONG-SPURRED BLUE.** Splendid selection from light to dark blue. Pkt., 35c

7157 **LONG-SPURRED COPPER QUEEN.** Lovely deep copper with long spurs of deeper hue. Pkt., 50c

7159 **LONG-SPURRED ORANGE AND SCARLET.** 35c.

7152 **VAUGHAN'S SUPERLONG-SPURRED MIXTURE.** 18 in. Flowers of enormous size in brilliant color range; 3 to 4 inch spurs. Pkt., 50c



7150 **AQUILEGIA**, *Mrs. Scott Elliott's Strain*. Pkt., 25c.



7197 **ARABIS** *Alpina Rosea*. Pkt., 35c.

### AQUILEGIA—Continued

7119 **ALPINA.** Powder blue. 2 ft. April-July. Pkt., 15c.

7125 **CHRYSANTHA.** 3 to 4 ft. May-August. Yellow, long spurred. Pkt., 15c

7126 **—SILVER QUEEN.** 3 ft. Long-spurred silvery white flowers. Pkt., 25c.

7131 **CLEMATIFLORA MIXED.** Spurless with beautiful open flowers like Clematis. Contains all lovely pastel shades. Pkt., 25c.

7141 **COERULEA MRS. NICHOLLS.** This is a glorified Rocky Mountain with larger flowers. Pkt., 35c.

7145 **—ROSEA (Rose Queen).** 2 1/2 ft. Light to dark rose, white center. Pkt., 25c

7165 **JAETSCHAU.** Large yellow flower with peach-colored spurs. A color combination so popular in the Rose Talisman. Pkt., 25c

7143 **LONGISSIMA.** A beautiful American species having 4 inch spurs on flowers of a delicate pale yellow. One of the most attractive. Pkt., 35c

7144 **LONGISSIMA HYBRIDS.** A new race obtained by crossing Mrs. Scott Elliott's with Longissima. All the beautiful hues, in red, blue, white, rose, etc., of the former, long spurs and broader petals. They are harder and more lasting. Pkt., 50c.

7190 **AQUILEGIA VAUGHAN'S SPECIAL MIXTURE.** A complete collection including the long-spurred, and non-spurred, tall and dwarf types. Pkt., 25c.

## Anchusa

(African Forget-Me-Not)

Culture: B, D or E. Page 52

Anchusas provide some of the few really blue flowers. They do best in a deep, well drained soil, in a sunny position. All are excellent bee plants. Seeds germinate in 20 days.

7070 **ITALICA, DROPMORE VARIETY.** 5 ft. June-July. Gentian flowers. Pkt., 15c

7071 **—FELTHAM PRIDE.** Extra large flowers of very bright blue. Compact habit. 3 ft. Pkt., 25c

7073 **MYOSOTIDIFLORA.** 1 ft. April-May. Blossoms with the late Tulips, forming a mound of attractive foliage almost hidden by pale blue Forget-Me-Not blossoms. Germination is slow. Pkt., 35c

## Arabis (Rock Cress)

Culture: D or E. Page 52

Spreading dwarf, spring-flowering plants. Seeds germinate in 8 days.

7195 **ALPINA.** 1 ft. April. Pure white. Pkt., 10c.

7197 **—ROSEA.** 1 ft. May. Compact rosettes of foliage and pink flowers. Pkt., 35c

7198 **SNOW CAP.** Shining snow white compact cushions. Pkt., 25c

7199 **SPRING CHARM.** Compact bushy plants covered with blossoms of intense carmine. Coming into flower early, it provides a bright splash of color in the rock garden. 8 in. Pkt., 35c.



8080 CANDY TUFT Sempervirens, Pkt., 25c.

**Anemone (Windflower)**

Culture: B, C, D or E, Page 52  
Seeds germinate in 15-20 days

7080 CORONARIA ST. BRIGID'S STRAIN. 12 in May-June. Double and single mixed. A beautiful selection in a wonderful array of colors. Pkt., 20c.

7090 PULSATILLA (PASQUE FLOWER). 1 ft Deep blue, bell-shaped flowers in April are followed by tasseled seed-pods, decorative in themselves Pkt., 25c

**Anthemis (Marguerite)**

Culture: B, D or E, Page 52  
Seeds germinate in 8 days.

7110 KELWAYI. 2 ft. Daisy-like lemon-yellow blossoms, all summer. Excellent for cutting Pkt., 10c.

7112 SANCTA JOHANNIS. Brilliant yellow flowers about 1½ in. in diameter, borne singly on straight stiff leafless stems, 9 to 12 in. in length. Especially good for cutting. Pkt., 25c

7114 TINCTORIA, PERRY'S VARIETY. 2 ft. Large lemon-yellow Daisies, bloom all summer. Pkt., 25c.

**Armeria (Thrift, Sea Pink)**

Culture: B, D or E, Page 52

Dwarf plants with grassy leaves and tufted growth. The flowers are borne in globular heads. Seeds germinate in 12-15 days

7206 GLORY OF HOLLAND GIANT PINK. Improved variety bearing clear, deep pink flowers the size of a silver dollar on straight stems 24-inches high in profusion all summer. Fine for cutting Pkt., 25c.



7225 ASTER Perennial Large Flowering Mixed. Pkt., 25c.

**Asclepias (Butterfly Weed)**

Culture: B, D or E, Page 52

7220 TUBerosa. 2 ft. One of the showiest of our native perennials, producing from July until frost brilliant orange flowers. Seed pods if gathered just as they begin to open make attractive winter bouquets. Seeds germinate in 30 days. Pkt., 25c

**Hardy Asters**

Culture: B, D or E, Page 52

**DWARF ALPINES**

7226 ALPINUS GOLIATH. Indispensable for the rockery or edge of hardy borders; 6 to 10 inches high, and bears large, showy, bluish purple flowers in May and June. Plant in full sun. Pkt., 25c.

7224 AMELLUS HYBRIDUS. New named varieties, finest mixed. Pkt., 25c

7225 PERENNIAL, LARGE-FLOWERING MIXED. 3-5 ft. Sept.-Oct. Various shades of blue. Pkt., 25c.

**Aubrieta**

Culture: B, D or E, Page 52

One of the daintiest and beautiful of dwarf creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. Seeds germinate in 20 days. 6 in.

7232 GRAECA. Light blue, dwarf. Pkt., 25c

7230 LARGE FLOWERING HYBRIDS, MIXED. A wonderfully fine strain, good range of colors. Pkt., 25c

**Baptisia**

Culture: B, C, D or E, Page 52

7235 AUSTRALIS (FALSE INDIGO). Forms a spreading bush 3 to 4 ft. high with Lupin-like blue flowers in June and July. Seeds germinate in 20 days. Pkt., 10c



7220 ASCLEPIAS. Tuberosa. Pkt., 25c

**Boltonia (False Chamomile)**

Culture: B, D or E, Page 52

They are among the relatively few fall flowering perennials, bearing small star-flowers in large clusters. Seeds germinate in 12 days.

7250 LATISQUAMA. 4-5 ft. July-Oct. Delicate pink. Pkt., 25c

7435 CERASTIUM TOMENTOSUM (SNOW IN SUMMER). 4 in. June-July. A low, creeping plant bearing a profusion of white flowers. Pkt., 15c

**CANDY TUFT (Iberis)**

Culture: A, B, D or E, Page 52

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Seeds germinate in 8 days.

8075 GIBRALTARICA. Pinkish white. Pkt., 10c

8080 SEMPERVIRENS. Sheet of white. Pkt., 25c



7270 CAMPANULA, Medium Calycanthema Mixed. Pkt., 10c.

**Campanulas**

Culture: B, D or E, Page 52

This brilliant family includes biennials, as well as a number of true perennials, varying in height from dainty rock garden subjects 8 inches tall to the stately *Pyramidalis* and *Persicifolia* types which reach 6 feet. Seeds germinate in 8-10 days.

**Canterbury Bells**

The Canterbury Bells are biennials, that is, from seed sown one year, the plants will bloom the following year, and the plant then dies. To keep up a yearly display they should be sown annually. 36 in

DOUBLE	SINGLE
7320 BLUE.	7300 BLUE.
7325 PINK.	7301 LILAC.
7315 WHITE.	7305 PINK.
7330 MIXED.	7295 WHITE.
	7310 MIXED.

Each of the above, ptk., 10c.

**CUP AND SAUCER**

7270 CALYCANTHENA MIXED. 2 ft. June-Aug.

7285 —BLUE. 7280 —PINK.  
7284 —LILAC. 7275 —WHITE.

Each of the above, ptk., 10c.

**Perennial Campanulas**

Seed sown one year, plants will bloom the next and for several years following, increasing each year.

7260 CARPATICA (HAREBELL) BLUE. 9 in. June to Aug. Forms cup-shaped, upright blooms of a light violet-blue. Likes partial shade. Pkt., 10c.

7331 GARGANICA. Beautiful star-shaped sky-blue flowers cover the trailing plants. Pkt., 15c

7335 LACTIFLORA COerulea. Broad-leaved, 2½-3 ft. July. Light blue. Pkt., 15c.

7344 PERSICIFOLIA (PEACH BELLS). BLUE. 2-3 ft. June-July. Fine border plant. Pkt., 25c

7345 —ALBA. White. Pkt., 25c

7347 —WEDGEWOOD. Large flowers of deep violet-blue. Does well in full sun or partial shade. Pkt., 35c

7350 —MIXED. Blue and white Pkt., 25c

7355 PYRAMIDALIS (CHIMNEY BELLFLOWER). BLUE. 5-6 ft. August-Sept. Pkt., 10c

7370 VAUGHAN'S SPECIAL MIXTURE OF CAMPANULAS. A grand assortment of all varieties. Pkt., 25c

**Centaurea****(Hardheads, Knapweed)**

Culture: B, D or E, Page 52

7428 HARDY PERENNIAL MIXED. A mixture of thirty hardy Centaureas. A real treat is in store for those who plant this mixture, as it will be a means of securing plants of unknown and unlisted sorts of various forms and colors. Seeds germinate in 8 days. Pkt., 15c



7401 CARNATION, Grenadin Mixed. Pkt., 25c.

## Garden Carnations

Culture: B, D or E, Page 52

### GRENADIN-20 in.

valuable bedding variety with double flowers, blooming first year from seed if sown early. Soon after they through blooming the tops should be cut. The Grenadin type will branch and will carry on through other year. If this operation is not done, in most cases the Grenadin type is only a biennial. Seeds germinate 10-15 days.

190 KING OF THE BLACKS. Darkest red, very fine Pkt., 25c.

198 GOLDEN SUN. Early flowering very double, large clear yellow flowers. Pkt., 35c.

195 RED. Pkt., 25c. 7400 WHITE. Pkt., 25c.

85 TRIUMPH ROSE. Pkt., 25c

01 MIXED. Pkt., 25c

96 DWARF BRIGHT SCARLET. 14 in. Double flowers of rich intense scarlet exceedingly showy. Blooms from seed first year if sown early. Pkt., 25c

### VIENNA DWARF CARNATIONS

they grow evenly about 14 inches tall, are extra-  
table and very large-flowering. The color display is  
a magnificent flower at least 14 days earlier than others.

115 MIXED. Pkt., 25c

## Coreopsis

Culture: B, D or E, Page 52

useful and attractive perennial, both for border and flower beds. They are of easy culture, and flower in profusion throughout the summer. Seeds germinate in 10 days.

93 DOUBLE SUNBURST. The flowers are double,  $\frac{1}{2}$  to 2 inches across, excellent for cutting, as the flowers are fine keepers and the plants easy to grow. Comes about 80% double. Pkt., 25c

95 LANCEOLATA GRANDIFLORA. 2 ft. June-Oct. Large orange-yellow flowers on long graceful stems. Will flower the first year if sown early. Pkt., 10c.

114 MAYFIELD GIANTS. It produces a taller and more vigorous plant with longer and firmer stems and larger individual blooms. Pkt., 20c

## Shasta Daisies

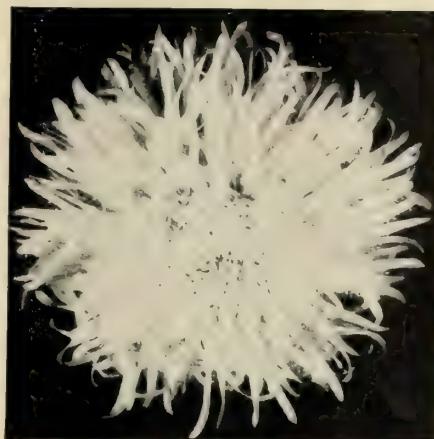
Culture: B, D or E, Page 52

The name Shasta is now applied not to a single variety but to a class of hardy Daisies, bearing giant flowers, all end-of-border subjects and easily grown from seeds which germinate in 8 days.

110 ALASKA. 2-2 $\frac{1}{2}$  feet. Splendid for cutting Pkt., 10c.

54 SHASTA DAISY G. MARCONI RE-  
SELECTED (Double). The largest Shasta Daisy today, the flowers are around 7 inches in diameter and stems 2 $\frac{1}{2}$  to 3 ft. long. Pkt., 50c.

14 GIANT DOUBLE SHASTA DAISY. While first year flowers of this perennial have many singles, in the second year they are almost 100% double, with flowers up to 6 inches, and a long season. Pkt., 35c



7464 SHASTA DAISY, Marconi Reselected. Pkt., 50c.

## Delphinium

For a complete listing of Pacific Giant and other Delphinium varieties, see Our Novelties, page 13

7569 WREXHAM HOLLYHOCK-FLOWERED STRAIN, MIXED. Giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor 1 $\frac{1}{2}$  to 2 inches in diameter, many double. Pkt., 35c

7571 DELPHINIUM VAUGHAN'S SPECIAL MIXTURE. This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the other various kinds. Pkt., 35c

## (Chinese Larkspur)

Chinese Delphinium blooms from seed the first year it is sown early and may be treated as an annual though it is a hardy perennial and plants will last many years. Fine for beds and border masses. Rarely needs staking and is covered with flowers all summer and fall

7520 CHINESE BLUE. 2-3 ft. Gentian Blue. Pkt., 10c.  
7523 CHINESE BLUE MIRROR. One of the few true navy blue flowers. Pkt., 35c.

7525 —ALBUM. 2-3 ft. Pure white. Pkt., 10c.  
7522 —CAMBRIDGE BLUE. 2 to 3 ft. A good light blue. Pkt., 25c  
7530 —MIXED. Pkt., 10c.



7522 DELPHINIUM Chinese Cambridge

Blue. Pkt., 25c.

7523 Chinese Blue Mirror. Pkt., 35c.

## Dianthus Barbatus

### Single Sweet William 18-24 in.

Culture: B, D or E, Page 52

In early June, when summer flowers are not yet in bloom and there is little in the garden available for cut flowers, the Sweet William is most welcome. Seeds germinate in 8 days.

7650 GIANT WHITE "SPECIAL." 1 $\frac{1}{2}$ -2 ft. Pure white flower clusters, on strong wiry stems. In growth it resembles the Perennial Phlox and is a splendid cut flower. The individual florets average from  $\frac{1}{2}$  to  $\frac{3}{4}$  of an inch in diameter. The flower clusters range from 4 to 7 inches. Sown from May to July will bloom next June. Pkt., 25c



7688 DIANTHUS BARBATUS SINGLE DWARF, "Midget" Mixed, (Indian Carpet) Pkt., 25c.

### DIANTHUS BARBATUS—(Cont.)

7659 HOMELAND. Dark red with large sharply defined, clear white center. Pkt., 35c

7660 NEWPORT PINK. Salmon pink. Pkt., 15c

7635 SCARLET BEAUTY. Vivid orange or salmon scarlet. Pkt., 15c

7685 SINGLE GIANT-FLOWERED MIXED. Pkt., 10c

7688 SINGLE DWARF "MIDGET" MIXED. (Indian Carpet) 3-4 in. Alpine Sweet William of compact habit. Blooms are quite large and almost entirely cover foliage. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most blooms being tri-colored. Excellent for the perennial border. Pkt., 25c

### DOUBLE VARIETIES

Seedlings of all double Sweet William produce about 40% of single blooming plants

7710 GIANT DOUBLE MIXED. The plants are of robust bushy habit, producing numerous stems surrounded by immense umbels of full double flowers many over one inch in diameter. The colors are extremely varied. Pkt., 20c

7711 MIDGET DOUBLE DWARF MIXED. An attractive double form of the above, 3 to 4 in. tall in a bewildering color range. Pkt., 15c

7712 DOUBLE DWARF DARK CRIMSON. A selection from the popular Midget Mixed. Pkt., 25c

7715 VAUGHAN'S SPECIAL MIXTURE OF SWEET WILLIAM of all listed and others. Pkt., 25c.

### NEW

### EVERBLOOMING SWEET WILLIAM

7578 LATIFOLIUS ATROCOCINEUS FLORE PLENO. A beautiful summer blooming variety as it bears brilliant fiery crimson blooms all through the season. Very hardy and a sturdy grower. Pkt., 15c.

## Hardy Pinks

### (Dianthus)

Culture: B, D or E, Page 52

Favorites for generations, these gay flowers are of great value in the border and rock garden. Most of them grow easily from seed, thrive in ordinary soil which must contain some lime, and should be in a well-drained situation. Seeds germinate in 8-10 days

7576 X ALLWOODI ALPINUS. 6 in. Flower first year from seed. It has single and semi-double flowers in all Dianthus colors. A gem for rock gardens. Pkt., 50c

7575 ALLWOODI MIXED. 1 ft. The flowers are about 75 per cent double and of all colors except blue and yellow. The single flowers grow in clusters. It is exceptionally hardy and flowers from early spring until fall. Pkt., 25c

7580 X CAESIUS (Cliff Pink). 1 ft. Flowers delicate rose pink, fragrant. Pkt., 25c

7580A DELIGHT. Beautiful single flowers, 1 in. or more across, in a bewildering range of colors from lightest pink through salmon, red to deepest purple, many cued like a Sweet William, while others have a definite contrasting light or dark center. Pkt., 25c

## Digitalis (Foxglove)

Culture: B, D or E, Page 52

These are biennials and should be sown very early in the spring so plants will be large enough to flower the following year. They should be wintered in a cold frame where sub-zero temperatures are common and always in a well drained place, as their crowns remain green all winter. Seeds germinate in 10-15 days.

7768 THE SHIRLEY HYBRIDS. 6 to 7 ft. The flower-heads are over 3 ft. long, covered with big bell-shaped blossoms from white and shell-pink to deepest rose. Pkt., 25c.

7753 EXCELSIOR MIXED. A blend of unusual shades, many of the florets are strikingly marked. The flower spikes are from 4 to 5 ft. in height and the individual florets are horizontally set around the stem, instead of the usual drooping effect so common to *Digitalis*. Very free flowering. Pkt., 35c.

7749 PRINCESS PASTEL MIXTURE. 4 ft. Here is really a new flower for your garden—a Foxglove in distinctly new pastel tints of pink, apricot, buff, rose and heliotrope. Pkt., 15c.

7775 VAUGHAN'S SPECIAL MIXTURE OF DIGITALIS. The above, and others we buy especially for our formula mixture. Pkt., 15c.



7768 DIGITALIS, Shirley Hybrids. Pkt., 25c.

## HARDY PINKS (Dianthus)—(Cont.)

7582 *DELTOIDES BRILLIANT* (Maiden Pink). 8 in. Delicate pink blossom feathery foliage. Pkt., 25c.

7631 LOVELINESS. The flowers have large laciniated petals of a most exquisite mauve-pink, with delightful fragrance. Pkt., 25c.

7587 BEST ROCK GARDEN VARIETIES MIXED. Rock gardens need the low growing *Dianthus* to brighten spots and fill in crevices. Pkt., 25c.

7592 WINTERI. The flowers are of pure colors; habit compact; flowers first year from seed; deliciously scented. Pkt., 50c.

## PLUMARIUS (Clove or Grass Pinks)

PLUMARIUS is the old-fashioned, fragrant garden Pink. Fine for perennial border or rockwork.

7605 DWARF EARLY FLOWERING MIXED. A colorful mixture, fine for Rock Gardens. 1 ft. Pkt., 25c.

7585 HIGHLAND HYBRIDS. Tall, strong stemmed pinks in varied colors, beautifully marked and zoned. Pkt., 35c.

7590 *CYCLOPS RED HYBRIDS* (Clove Pink). 1 ft. An exquisite mixture of rose and red varieties; fragrant. Pkt., 15c.

7599 ESSEX PINK. A specialists' selection from the popular Highland Hybrids. Beautifully marked flowers in a wide color range, borne on stiff wiry stems, 15 to 20 in. long. Pkt., 25c.

7620 *X SEMPERFLORENS DOUBLE MIXED*. Fine for cutting. Pkt., 15c.

7632 SCOTICUS DOUBLE SPECIAL STRAIN. Self colors of pink, rose, salmon and white and the same in combination with a bright crimson zone. Blooms 1 1/2 to 2 inches. Free flowering. Pkt., 35c.

7609 *X SPRING BEAUTY*. Double giant-flowered Grass Pinks, Carnation-like in form and size and with a beautiful range of color. Very fragrant. Pkt., 25c.

7625 *X VAUGHAN'S SPECIAL MIXTURE*. A grand selection of Clove Pinks of the above *Plumarius* type and others. Pkt., 25c.

## Dicentra (Dielytra)

## (Bleeding Heart or Seal Flower)

Culture: B or C, Page 52

7718 EXIMIA (Plumy Bleeding Heart). Dwarf; reddish purple. May and June. 12 in. Seed germinates slowly. Pkt., 25c.



7812 GAILLARDIA, Burgundy. Pkt., 25c.



7780 DORONICUM, Caucasicum Magnificum. Pkt., 35c.



7855 GEUM, Mrs. Bradshaw. Pkt., 25c.

## Dictamnus (Gas Plant)

Culture: B or C, Page 52

This bushy perennial with its attractive flower spikes blooms with the tall bearded Iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved. Seeds germinate in 50-60 days.

7720 FRAXINELLA. 3 ft. May-June. Large spikes of deep pink purple-veined flowers. Pkt., 15c.

7725 —ALBUS. 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. Pkt., 15c.

## Doronicum (Leopard's Bane)

Culture: B, D or E, Page 52

7780 CAUCASICUM MAGNIFICUM. Showy yellow flowers with bright green, heart-shaped leaves which disappear during July and August. Lovely with pale lavender Tulips. Seed germinates in 20-30 days. Pkt., 35c.

## Euphorbia

Culture: B, D or E, Page 52

7807 COROLLATA (WILD BABY'S BREATH). 2 to 3 ft. Blooms in midsummer, and suggests Gypsophila, flowers are a cloud of small white stars, delicate and airy. Valuable for bouquets. Will bear drought or neglect. Leaves turn a rich wine color in fall. Seeds germinate in 20-30 days. Pkt., 25c.

## Gaillardias

Culture: B, D or E, Page 52

Seeds germinate in 20 days

7809 GRANDIFLORA MONARCH STRAIN. A robust strain varied in coloring and with flowers of giant size and perfect form. Pkt., 25c.

7812 —BURGUNDY. 2 ft. Shining wine-red flowers, 2 1/2 in., from June until fall. Blooms same year, sown early. Pkt., 25c.

7811 —DAZZLER. Large golden yellow flowers with rich maroon center. Pkt., 25c.

7817 —GOBLIN. 12-15 in. First real dwarf, covered with showy deep red flowers yellow bordered. Flowers first year from seed. Pkt., 25c.

7836 —PORTOLA HYBRIDS. 2 1/2-3 ft. The flowers are nearly 4 inches; brilliant scarlet intensified by golden yellow tip. Pkt., 25c.

7810 —MIXED. Composite flowers variegated with shades of red and yellow. Pkt., 15c.

## Geum.

Culture: B or C, D or E, Page 52

Seeds germinate in 10 days.

7852 LADY STRATHEDEN (GOLDEN BALL). 2 ft. Flowers loosely double, golden yellow. Pkt., 35c.

7855 MRS. BRADSHAW. 2 ft. Double orange-scarlet flowers. June-Sept. Pkt., 25c.

# VAUGHAN'S PERENNIAL FLOWER SEEDS

## Gerbera (Transvaal Daisy)

Culture: D or E, Page 52

Seeds germinate in 12 days

7846 **JAMESONI HYBRIDS (FLOWERLAND STRAIN).** 2 ft. Large Daisy-like blooms on long stems in yellow and red. Pkt., (25 seeds) 25c.

## Gypsophila (Baby's Breath)

Culture: A, B, D or E, Page 52

Seeds germinate in 12 days

7866 **OLDHAMIANA.** 3 ft. The buds are first almost white, but open a lively shade of pink that darkens as the flowers mature. Pkt., 25c.

7867 **PACIFICA.** 4 ft. Withstands both severe winter and extreme heat. The seedlings form dense bushes with myriads of tiny pink blossoms. Pkt., 25c

7860 **PANICULATA DOUBLE SNOW WHITE.** 2-3 ft. July-Aug. A great improvement on the single-flowered type and more lasting. Pkt., 25c

7865 —(BABY'S BREATH). 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. Pkt., 10c.

7863 **REPENS ROSEA.** 6 in. Attractive pink. Pkt., 15c

7862 **REPENS DWARF WHITE.** Pkt., 15c



7943 **HEUCHERA, Sanguinea New Hybrids.**  
Pkt., 25c.

## Helianthemum

Culture: C, Page 52

7906 **MUTABILE (ROCK ROSE).** 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. Seeds germinate in 12 days. Pkt., 15c

## Helenium (Sneezewort)

Culture: B, D or E, Page 52

7890 **RIVERTON GEM.** 2 to 4 ft. Covered from August to October with brilliant old gold, changing later to wallflower-red. Seeds germinate in 8 days Pkt., 25c

## Helleborus

Culture: A, B, C or D, Page 52

7917 **NIGER (CHRISTMAS ROSE).** 10 in. A rare interesting perennial which blooms in winter or early spring. Flowers of white. Although a difficult subject, it is well worth the effort. Pkt., 35c

## Hemerocallis

Culture: A, B, C or D, Page 52

7922 **PEERLESS BLEND.** A mixture of high merit. Seeds saved from 10 botanical species, also from fine hybrid seedlings. This blend will give a wide color range of excellent Day Lilies. Seeds germinate in 10-40 days. Pkt., 25c

## Hesperis Matronalis

(Sweet Rocket—Evening Scented Stock)

Culture: B, D or E, Page 52

The fragrant flower-heads of these thrifty flowers somewhat resembling perennial Phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. 2 to 3 feet. June and July.

7930 **PURPUREA.** Lilac. Pkt., 10c.

7935 —**ALBA.** White. Pkt., 10c.

## Heuchera (Coralbells)

Culture: B, D or E, Page 52

From a tuft of heart shaped leaves, graceful flower stalks rise, bearing flowers in clusters. Seeds germinate in 20-30 days.

7940 **SANGUINEA.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. Pkt., 25c.

7943 —**NEW HYBRIDS MIXED.** All shades of red and coral pink. Large and free flowering. Pkt., 25c

## Liatris (Kansas Gay Feather)

Culture: B, D or E, Page 52

8117 **SCARIOSA SEPTEMBER GLORY.** A giant 6-ft. spike solidly covered with purple flowers from top to bottom. The flowers, unlike the common variety, come into bloom all at the same time creating a marvelous effect. Seeds germinate in 20-30 days. Pkt., 25c



8117A **LIATRIS September Glory.** Pkt., 25c.

## Hibiscus (Rose Mallow)

Culture: B, D or E, Page 52

In the late summer, when perennials are few, well established plants of Mallow bear their beautiful single flowers, 3 to 5 inches, several weeks. Seeds germinate in 15 days. Aug.-Sept.

7947 **AVALON HYBRIDS.** 3 ft. A new hybrid strain. Flowers mostly of bell shape, and vary from blush through pink, rose and vivid reds. Bloom until October. Pkt., 25c

7946 **MALLOW MARVELS RED.** 3 ft. Pkt., 15c

7960 **MALLOW MARVELS, MIXED.** 3-5 ft. Pkt., 15c.

## Grow Iris From Seed

Culture: A, B or C, Page 52

Seed germinates in 20-30 days

8086 **AVALON BLEND.** Made up from such beautiful and desirable Iris species and hybrid groups as Tenax, Forresti, Clarkei, Aurea, Douglasiana, Delavayi and many others. Interesting and unusual. Pkt., 35c.

8090 **GIANT BEARDED.** These are the large flowered, named "Bearded" or "German" Irises of our gardens. Our seed has been saved from a fine collection of seedlings and should show a remarkable range of variable color richness, all the bright self hues, with pastel harmonies in fawn, lilac, bronze tawnies, rose shades, copper and wine shadings. Pkt., 35c

8089 **KAEMPFERI.** Special strain. Seed was saved from a grand exhibition collection of six-petaled varieties. Large and rather flat blooms rich in coloring. Blooms in June and July one year after sowing. Pkt., 35c

8092 **SIBERIAN.** This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. Sow seed in fall. Pkt., 15c

8091 **DICHOTOMA (AUGUST OR VESPER IRIS).** Fragrant flowers on tall branching sprays, from July to September. Cream to violet-purple markings of various colors. Pkt., 20c

For Iris plants see Index.

## Lathyrus Latifolius

(Hardy Sweet Pea)

Culture: B, C, D or E, Page 52

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., and for cutting. Seeds germinate in 25-30 days

8100 **PINK BEAUTY.** Pale pink variety. Pkt., 15c.

8105 **RUBRA.** Bright rosy crimson. Pkt., 15c.

8110 **WHITE PEARL.** Large white. Pkt., 15c

8115 **MIXED.** A special blending of the colors available in this fine climber. Pkt., 15c.

## Lavender (Lavandula)

Culture: B, D or E, Page 52

8117 **MUNSTEAD STRAIN.** 1 ft. A most valuable variety. A month earlier than the common Lavender. Seeds germinate in 12 days. Pkt., 25c

## Lilies from Seed

Many Lilies are easily grown from seed; and seedling Lilies are likely to be more enduring in your garden. A leaflet describing the simple methods which bring success, requiring no skill, but merely care and patience, will be sent free with each order for Lily seed, if requested. Seeds germinate in 20-30 days

8158A **LONGIFLORUM PRAECOX WHITE QUEEN.** Produces long trumpet-shaped flowers of clear white. Pkt., 25c

8159 **PHILIPPINENSE FORMOSANUM SNOW DRIFT.** Blooms end of August and can be flowered within 10 months from sowing. Attains a height of 4 to 6 ft., often with 10 to 12 flowers with trumpets 6 to 7 inches across. Pkt., 35c.

8152 **REGALE PURE WHITE.** See Novelties. Pkt., 25c

8163 **TENUIFOLIUM (CORAL LILY OF SIBERIA).** 24 in. Blooms are deep scarlet and have recurved petals of waxy texture. Pkt., 25c

8164 **MIXTURE OF HARDY LILIES.** Includes seeds of 50 Lily species and Hybrid strains, but not, of course, in equal proportions. Pkt., 25c.

For bulbs of Lilies see Index

# VAUGHAN'S PERENNIAL FLOWER SEEDS



8171 **LUPINUS** Polyphyllus Russell Mixture. Pkt., 25c.

## PERENNIAL SEED MIXTURES

Similar to our Surprise Garden of Annuals.

8600 **DWARF.** 6 to 15 in. 8601 **MEDIUM.**

8602 **TALL SORTS MIXED.** 3 ft. and up-wards. Each of above, per pkt., 25c; 3 pkts. for 65c

## Linum (Flax) 12 to 18 in.

Culture: C, Page 52

One of the best sources of vivid blue and yellow in the perennial border. Seeds germinate in 8-10 days

8134 **LINUM COLLINUM.** A hardy perennial Flax with bright blue flowers, forming compact, free-flowering plants 12 to 15 inches in height. Pkt., 25c.

8140 **FLAVUM.** 1-2 ft. Produces masses of golden yellow flowers from June until Sept. Pkt., 20c

8141 **—COMPACTUM NANUM.** A glowing golden yellow, blooms for months. Pkt., 25c.

8127 **NARBONENSE HEAVENLY BLUE.** The flowers are twice as large as the common Linum Perenne. The color is a luminous ultramarine blue. Blooms from seed the first year. Pkt., 25c.

8125 **PERENNE BLUE.** 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms produced continuously in profusion. Pkt., 10c.

## Lobelia

Culture: B, C, D or E, Page 52

8145 **CARDINALIS (CARDINAL FLOWER).** 2 ft July-Oct. Tufts of bronzy green foliage from which arise spikes of fiery scarlet flowers. Seeds germinate in 10-12 days. Pkt., 15c

## For Winter Bouquets

Culture: B, D or E, Page 52

8150 **LUNARIA BIENNIS ANNUA (HONESTY OR ST. PETER'S PENNY).** Flowers lilac-purple, followed by silvery seed pods, prized for winter bouquets. Biennial but readily self-sows. Seeds germinate in 10-12 days. Pkt., 10c

## Lupinus Polyphyllus

Culture: A, B, D or E, Page 52

Inoculate Lupin seed with Nitragin. Two garden sizes, 15c and 25c. Chill seed before sowing. Germinates in 8-10 days.

8171 **FAMOUS RUSSELL STRAIN. MIXED COLORS.** These remarkable Lupins are often 3 1/2 ft. in length. Flowers in 4 months from sowing Pkt., 25c

8179 **VAUGHAN'S SPECIAL MIXTURE.** This is a choice mixture of the best English and American strains, including recent novelties. Pkt., 25c

## Lychnis

Culture: B, D or E, Page 52

Seeds germinate in 10-12 days

8190 **CHALCEDONICA (MALTESE CROSS).** 3 feet. June-Aug. Burning Star. Flowers fiery red in clusters, each blossom forming a Maltese cross. Will bloom from seed the first year. Pkt., 10c.

8220 **LYTHRUM Roseum Superbum.** Spikes of rose-purple; a good border plant. 40 in. Pkt., 15c.

Culture: B, D or E, Page 52

8245 **MYOSOTIS PALUSTRIS SEMPERFLORENS.** True marsh forget-me-not blooming from spring until autumn. Pkt., 25c

## Pentstemon (Beard Tongue)

Culture: B, D or E, Page 52

They are very showy, growing from 2 to 4 feet; slender spikes which bear trumpet-shaped flowers.

8324 **BARBATUS.** Tall erect branching. A showy scarlet perennial. One of the best. Seeds germinate in 10-12 days. Pkt., 25c.

## Phlox Seed

8340 **DECUSSATA MIXED.** 2-3 ft. This special mixture comes from a superior collection of large-flowering sorts. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. Pkt., 25c

## Physalis Franchetti

Culture: B, D or E, Page 52

8345 **CHINESE LANTERN PLANT.** 1 1/2 ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese Lanterns, useful in winter bouquets. Seeds germinate in 15 days. Pkt., 10c

## Platycodon

### (Chinese Bell Flower)

Culture: B, D or E, Page 52

They resemble Campanulas, with dainty bell flowers on graceful stems. They flower from June to September

8360 **GRANDIFLORUM.** 2-3 ft. Large handsome deep blue flowers. Pkt., 10c

8365 **—ALBUM.** White. Pkt., 15c.

8357 **SHELL PINK.** Soft shell pink, the veination in the flower being a deeper pink, with no trace of blue. At its best when grown in the semi-shade. In intense sun the color is inclined to fade. Has a long season of bloom. Pkt., 35c.

8370 **MARIESII BLUE.** 1 ft. Deep blue dwarf. Pkt., 10c

8375 **—ALBA.** White. Pkt., 25c.



8279 **POPPY, Nudicaule Vaughans Special Mixture.** Pkt., 25c.

8259 **NATIVE WILD FLOWER MIXTURE.** For Sun or Shade. Seeds of more than 100 different species. All American, collected in the temperate zone. For woodlands, and wild flower gardens. Pkt., 25c



8420 **PRIMULA Veris Colossea Mixed.** Pkt., 35c.

8353 **PHYSOSTEGIA SUMMER SNOW.** The flowers are a glistening pure white. Resembles the medium tall Rosy Spire in height and form. Handsome plants for sunny border, admirably suited for cutting. Pkt., 25c

## Polemonium (Jacob's Ladder)

Culture: B, D or E, Page 52

8380 **COERULEUM** (Greek Valerian). 2 ft. Beautiful sky-blue flowers with golden anthers. June-July. Foliage fern-like. Pkt., 15c

## Iceland Poppies

### PAPAVER Nudicaule 12 to 18 in.

Culture: B, Page 52

Cool moist soil is necessary, and light shade preferred. Hardy perennials, they bloom first year from seed. Seed germinates in 10-15 days

8291 **GARTFORD GIANT ART SHADES.** Exceptionally large flowers in lovely pastels. Pkt., 25c

8293 **EMPEROR.** 18-22 in. Finest giant orange of new form, with over-lapping fluted petals giving effect of semi-doubleness. Pkt., 25c

8296 **YELLOW EMPEROR.** 20 in. A true Nudicaule of a clear lemon yellow. Flowers 3 1/2 inches on 18 in stems from low-growing, bushy plants, very uniform. Five to eight flowers per plant continually for a month or better, early in the summer. Pkt., 25c

8279 **VAUGHAN'S SPECIAL ICELAND POPPY MIXTURE.** We have included all the newer varieties Pkt., 25c

## Oriental Poppies

### PAPAVER Orientale 3 ft. May-June

These gorgeous spring flowers, often six inches across of vivid coloring, may be left undisturbed for years. The named varieties of Oriental Poppies do not come entirely true from seed. Seed germinates in 10-15 days

8307 **BEAUTY OF LIVERMORE.** Crimson. Pkt., 25c

8309 **MRS. PERRY.** Delicate salmon-rose. Pkt., 25c

8305 **PRINCESS VICTORIA LOUISE.** Lilac-rose. Pkt., 15c

8310 **RED.** Deep crimson, large flowers Pkt., 10c

8313 **NAMED NEW VARIETIES MIXED.** Seed collected from a field of the newer named sorts. Lovely pinks, rose and white. Pkt., 25c



8416 PRIMULA, Veris Grandiflora. Pkt., 35c.

## Primula

There is a growing appreciation of the beauty of the amazingly varied Primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. Seed germinates in 15-30 days.

Culture: C or B, Page 52

8403 ACAULIS BLUE. The finest obtainable being regular and rich in color. Pkt., (100 seeds) \$1.00

8403A AURICULA LARGE FLOWERING MIXED. 6 in. Flowers in early spring in colors of yellow, brown and red. Pkt., 25c

8411 JAPONICA MIXED. Towering sprays of beauty. Colors range through white, rose pink, crimson, mauve and lavender, bright crimson, orange eye. Pkt., 25c

### Polyantha Type (Bunch Primrose)

These are showy, cluster-flowered, of exceptional size, thriving in rich, moist soil.

8419 VERIS GIANT CRIMSON. Pkt., 25c

8420 —COLOSSEA MIXED. (Highly Commended. Wisley Trials 1952.) The large heads of florets are borne on stiff stalks in new shades of lilac, pink, copper as well as the darkest red. Pkt., 100 seeds, 35c

8421 —LUTEA. Clear yellow, extra fine Pkt., 25c

8416 —GRANDIFLORA MIXED. An extra choice large flowered mixed strain most carefully selected for habit, rich coloring and size of bloom, the finest strain for bedding. Pkt., 35c

8418 —GIANT BOUQUET MIXED. (AWARD OF MERIT WISLEY TRIALS 1952). An extra choice strain with large flowers and long stems, in a wide range of color. Pkt., 25c

8424 VULGARIS (ENGLISH PRIMROSE). Pale yellow for wild gardens. Pkt., 25c

## Pyrethrum Roseum

### (Painted Daisy)

Culture: B, D or E, Page 52

Their large flowers, well-named Painted Daisies, blossom with the tall Iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seeds, which germinate in 20 days. 1 to 2 ft.

8433 DOUBLE MIXED. Pkt., 35c

8444 DOUBLE RED. Pkt., 50c

8445 —PINK. Pkt., 50c

A certain per cent of the above will be single.

8441 SINGLE ATRO-SANGUINEUM. Blood-red. Pkt., 25c

8443 —ROSEUM. Rose. Pkt., 25c

8440 —GRANDIFLORUM SINGLE MIXED. Pkt., 15c.

8438 —ROBINSON'S HYBRIDS, MIXED. A selection made by an English specialist, with a fine color range Pkt., 25c.

8438A —ROBINSON'S CRIMSON. The best red. Pkt., 25c

## Ranunculus

8451 ASIATICUS. A particularly fine strain of double large flowered hybrids in sulphur yellow, golden yellow, scarlet, crimson, lilac and many other shades. Can be planted in the garden in earliest Spring. Seeds germinate in 15-20 days. Pkt., 25c

## Rose

Culture: B, D or E, Page 52

8452 THE BABY ROSE. Multitudes of tiny roses in varied lovely colorings, but largely in white, blush or delicate pink. Flowers single to fully double. More or less everblooming. Quick from seed, and from earliest spring sowings, plants will be in flower by June, midgets but four inches high Pkt., 25c.

## Rudbeckia (Cone Flower)

Culture: B, D or E, Page 52

Seeds germinate in 20-30 days

8462 PURPUREA. Reddish purple flowers, large brown cone-shaped center. Two to 3 foot stems. Blooms July to October. Pkt., 15c

8465 HERBSTWALD AUTUMN TINTS. 2 ft. Blooms the first year from seed sown in March, furnishes star flowers of fiery autumn coloring. Pkt., 25c.



8438 PYRETHRUM, Robinson's Giant Hybrids Mixed. Pkt., 25c.

## Salvia

Culture: B, D or E, Page 52

8480 PATENS. 2 ft. Large, rich deep blue flowers in September. Roots can be wintered in cellar. Seeds germinate in 15 days. Pkt., 25c

## Scabiosa

Culture: B, D or E, Page 52

8490 CAUCASICA PERFECTA. 18 in. Light blue flowers prettily fringed on long stems. Pkt., 15c.

8491 —ALBA. Pure white comes true. Pkt., 25c.

8494A —VAUGHAN'S SPECIAL MIXTURE. Large fringed and ruffled flowers from lavender to dark blue; some pure white. Pkt., 25c

8492 —HOUSE'S NEW GIANT HYBRIDS. 18 in. June-Oct. Large flowers in various shades of lavender. Pkt., 25c.

## Statice

8520 LATIFOLIA. 2 ft. Dense branching plumes of deep blue flowers. Pkt., 15c

## Stokesia (Stokes' Aster)

Culture: B, D or E, Page 52

Large flowers, resembling a single Aster. Seeds germinate in 20 days

8525 CYANEA. 18 in. July-Oct. Flowers rich blue. Pkt., 15c.



8494A SCABIOSA, Caucasica Vaughan's Special Mixture. Pkt., 25c.

## Thalictrum (Meadow Rue)

Culture: B, D or E, Page 52

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting. They grow easily from seed, germinating in 15-20 days.

8541 AQUILEGIFOLIUM MIXED. (Feathered Columbine). Graceful foliage, mixed colors. 3 ft. Pkt., 25c

8545 DIPTEROCARPUM MAGNIFICUM. Taller, more vigorous and larger flowered than the older strain of Dipterocarpum. Flowers in panicles ranging from white to rosy-mauve. Excellent for cutting. 5 ft.

## Thermopsis

Culture: B, D or E, Page 52

8548 CAROLINIANA. 3 to 5 ft. June and July. The long, graceful spikes of yellow Lupin-like flowers blossom with the Delphiniums and provide an excellent foil for their blues. Seeds germinate in 15-20 days. Pkt., 25c

## Tritoma (Red Hot Poker)

Culture: B, D or E, Page 52

Very handsome and showy border plants. Flower borne in compact form on stout 3 and 4 ft. stems

8550 PFITZER'S HYBRIDS. Orange scarlet. Pkt., 15c

8550 TRADESCANTIA MIXED. Fully hardy, easily grown from seed and usually giving some flowers first year. Seeds from unnamed and named varieties in colors of rose pink, snow white, rosy mauve, deep purple, sky blue, soft pink and many others. Pkt., 25c

8554 TROLLIUS CHOICEST MIXED VARIETIES. Pkt., 25c

8561 VALERIANA (GARDEN HELIOTROPE) MIXED. Pkt., 15c.

## Tall, Hardy Verbena

Culture: B, D or E, Page 52

8566A BONARIENSIS. 4 ft. A grand perennial that blooms from seed the first year. Sweet-scented rosy lavender flowers on long stiff stems. Pkt., 15c.

8570 SPICATA BLUE. 2 ft. July-August. Flowers violet blue in long spikes. Pkt., 15c

## Viola

8282 SUPER LARGE FLOWERING SCOTCH. See Novelties Pkt., 25c

8285 GEORGIA PEACH. See Novelties. Pkt., 35c.

# Home Greenhouse and House Plants from Seed



**BEGONIA**, Type of Pink Pearl and Red Pearl.

## Abutilon

### 120 MIXED (FLOWERING MAPLE OR CHINESE BELL FLOWER).

As indispensable for the window or greenhouse as the Petunia is for the flower garden. Grows rapidly from seed, and is soon in bloom. Leaves very ornamental and often beautifully variegated. Lovely bell-shaped flowers, borne the year round and in all colors. Pkt., 25c.

## Antirrhinum SNAPDRAGON (1) $\div$

For Greenhouse Forcing.

Culture: D or E, Page 52

### BRONZE

362 AFTERGLOW. Golden bronze.

400 BARBARA. Large bronze florets, pink throat and bright bronze lips.

### LAVENDER

416 WINDMILLER'S LILAC. An excellent orchid color, coming true.

420 WITTERSTAETTER'S ORCHID. A rich even color.

### RED

411 PRISCILLA ANN. Velvety-crimson florets. At times a faint touch of yellow is noted on the lip.

407 SHISLER'S RED. Glowing wine-red.

### ROSE AND PINK SHADES

363 BETTER TIMES. A true American Beauty rose-red.

375 CHEVIOT MAID SUPREME. Deep rose pink.

377 CHRISTINA. Medium-light pink.

378 CHRISTMAS CHEER. The earliest rose-pink.

398 MARYLAND PINK. Light pastel pink.

408A ROSE QUEEN. Dark pink.

### WHITE

397 MARGARET. Ivory white.

415 WHITE WONDER IMPROVED. Pure white.

### YELLOW

387 GOLD RUSH. Deep Jonquil yellow.

384 PATRICIA. Rich yellow with full deep yellow lower lip

EACH OF THE ABOVE. Pkt., 75c.

426 VAUGHAN'S RAINBOW MIXTURE F-1 HYBRID SNAPDRAGONS. Because of their hybrid vigor, this mixture is especially well adapted to the needs of the home gardener. Grow it on in your home greenhouse for cut-flowers during the winter months, or plant outside in your garden in Spring, where it does equally well and adds an important range of color to your bouquet material. The florets are large, the stems long and strong, coming into bloom early and lasting well into the early Fall. Pkt., 75c.

## Asparagus $\div$

Culture: C. Pot up in Fall, force in greenhouse. Page 52

480 PLUMOSUS NANUS. + 3 ft. Pkt., 35c.

485 SPRENGERI. + Finest material for hanging baskets. Pkt., 35c.

## Begonias

### TUBEROUS ROOTED

Culture: D or E, Page 52

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. A little difficult to raise without a greenhouse. Seeds germinate in 20 days

For Bulbs of Begonia Tuberous rooted see index on final pages.

For treating Begonia seed, to prevent damping-off, we recommend Spergon Wettable, 35c ounce, postpaid, and Arason, 3/4 ounce 35c, postpaid

1100 DOUBLE TUBEROUS ROOTED VAUGHAN'S SPECIAL MIXTURE. Form and color weave a magic spell in this cream of a specialist collection containing the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Flowers 5 to 8 in. across. Seed sown in January or February make good sized plants by August. Leaflet on culture supplied with seed Pkt., \$1.00.

## FIBROUS-ROOTED EVER-BLOOMING

Culture: B, C, D or E, Page 52

A continuous flowering class of greatest value for bedding; the flowers are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer, while seedlings of summer make decorative winter house plants.

Begonia seed is very fine. Open packets carefully over a sheet of white paper. Seeds germinate in 20 days.

1075 ADELINE. (Improved Darling). Very dwarf habit; bright pink flowers and green foliage, very attractive. Pkt., 35c.

1071 CHRISTMAS CHEER RED. The blooms attain a diameter of 2 inches. Dark crimson-scarlet. Pkt., 35c.

1082 INDIAN MAID. 10 in. Bright deep scarlet buds and flowers, lustrous bronze foliage. Pkt., 25c.

1084 ILE DE FRANCE. The flowers are 1 1/4 inches, to 1 1/2 inches, pure white, with bright yellow stamens. Foliage light green. Pkt., 35c.

1085 KING OF THE REDS. Dwarf glowing scarlet, foliage green edged bronze. Pkt., 35c.

1087 MASTERPIECE. Large clear rose-pink flowers. Fairly cover the foliage. Pkt., 35c

1073 SNOWBANK. The finest dwarf white. Large flowers of purest white, freely produced on plants that are compact and uniform in growth. Foliage is a bright clear green. Pkt., 50c

1066 PINK PEARL. Of dwarf compact habit, 6 to 8 in. high. The plants form perfect balls and the flowers are borne well above the bright green foliage. Pkt., \$1.00.

1067 RED PEARL. Identical to the above in type and blooming habit. Color a brilliant dark scarlet. Pkt., \$1.00.

1090 VAUGHAN'S SPECIAL MIXED. Finely balanced blend of full color range. Pkt., 25c.

## Browallia

1155 SPECIOSA MAJOR. Large bright blue flowers with a white throat. Very free flowering. Pkt., 35c.

## Calceolaria +

Culture: C. Pot up in Fall, force in greenhouse. Page 52

1179 HYBRIDA MULTIFLORA NANA MIXED.

The average size of the blooms is only 1 1/2 inches, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pkt., \$1.00

1184 HYBRIDA GRANDIFLORA TRIUMPH STRAIN. A truly outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigged or spotted. This strain produces bushy, shapely plants with clean foliage. Pkt., \$1.00.

## Crossandra

1997 CROSSANDRA. A new and interesting evergreen and everblooming plant for the home. The leaves are a glossy rich green and the flower ranges in color from salmon pink to peach, and blooms for a long time. Sow seed in well sterilized soil, being sure the pot or pan has good drainage. It likes heat, 70 to 80 degrees Fahrenheit will result in quick growth. Pkt., \$1.00.

## Cineraria Hybrida +

Culture: C. Pot up in Fall, force in cool greenhouse. Page 52

1715 VAUGHAN'S COLUMBIAN MIXTURE. A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt., 25c.

1716 CREMER'S PRIZE MIXTURE. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. Pkt., 50c

1723 SITER'S RAINBOW STRAIN. Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth, with little leaves. Early to bloom. Pkt., 50c.

## Coleus

Culture: D or E, Page 52

Decorative plants with foliage of brilliant varied colors, many having fantastic markings. Plant in full sun for complete development of color. Pinch out the growing points to make well branched plants. Make good house plants. Seeds germinate in 10 days.

1855 VAUGHAN'S RAINBOW MIXTURE. 1-2 ft. The handsomest foliage plant obtained from seed. The leaves are very large and their color combinations are remarkably rich. Pkt., 35c.

1864 GLORY. 1-2 ft. A mixture of bronze, pink, apricot, cream, etc. A remarkably fine strain; unequalled for the beautiful form and coloring of its large leaves. Pkt., 50c

1857 LARGE LEAVED MIXED. Pkt., 35c.

## Cuphea Firecracker Plant

Culture: A or B, Page 52

Seeds germinate in 20-30 days. Greenhouse Subject.

1999 FIREFLY. 10 inches. A colorful border or edging plant, dwarf, compact, neat in habit, and showy. Small, delicate butterfly-like flowers of fiery red are freely produced. Flowers in 12 to 14 weeks from seed and blooms continuously. Pkt., 25c

## Cyclamen

### PERSICUM GIGANTEUM +

Culture: C. Pot up in Fall, force in greenhouse. Page 52

2010 MIXED. Large, colorful fragrant blooms on strong erect stems, well above the ornamental foliage. It takes nearly 18 months to produce blooming plants from seed. Pkt., 50c.

## Exacum

2445 AFFINE. An easily grown pot plant with richly fragrant flowers of bright mauve. Pkt., 35c.

## Fuchsia

2460 DOUBLE AND SINGLE MIXED. From a choice collection of plants, including Storm King and others. Pkt., 35c.



IMPATIENS



1184 **CALCEOARIA** Hybrida Triumph.  
Pkt., \$1.00.



1716 **CINERARIA** Cremer's Prize Mixture.  
Pkt., 50c.



2560 **GLOXINIA** Vaughan's International  
Mixture. Pkt., 25c.



4477 **PRIMULA** Mala  
Pkt., 35c.

# Home Greenhouse and House Plants from Seed

## African Violets SAINTPAULIAS

Interesting and attractive house plants with a long season of bloom; the leaves of which form a cushion from which arise the bright violet-like flowers

4587 **IONANTHA GRANDIFLORA**. Large dark blue flowers, freely produced, as many as 25 blossoms or more on a plant at one time. Small velvety green leaf. Pkt., 50c

4588 **BLUE FAIRY TALE**. Extra large flowers of ultramarine blue with bright yellow eye coming 100% true from seed. Very free flowering; strong bushy plants with foliage of a rich dark green will measure 12 to 14 inches across, with good culture, in 10 to 12 months. Pkt., 50c

4589 **NEW HYBRIDS**. Flowers in varied shades of blue; the plants dwarf, bushy and compact with leaves of dark green. Pkt., 50c

## Gloxinia +

Culture: D or E, Page 52

2560 **VAUGHAN'S INTERNATIONAL MIXTURE**. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. These seeds are very small and require care in handling, but start very readily when sown in pans or pots on finely sifted soil and watered from beneath. 12 in. Pkt., 25c

## Impatiens

Culture: A or B, D or E, Page 52

One of the best for pot culture and planting in a shaded situation. Remarkable for duration of bloom. Excellent greenhouse plant. Seed germinates in 15 days

2890 **DWARF FIERY SCARLET**. The flowers are a fiery scarlet red, larger than other sorts, reaching 2 inches in diameter and freely produced. Of low spreading habit, it is an excellent variety for pots and well suited to the shady border in the garden. Pkt., 50c

2875 **HOLSTII**. 1 1/2 ft. Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 25c

2880 **HOLSTII HYBRIDS**. Range from pink through red shades to purplish-violet. Pkt., 25c

2881 **SULTANI**. Bright rose. 25c

2882 **SULTANI HYBRIDS**. Colors range from pale pink to dark crimson. Pkt., 25c

2883 **SULTANI NANA DWARF MIXED**. Flowers continuously in many shades. Pkt., 50c

## Irish Shamrock

4761 This is the true Irish strain. Started in a sunny window in January or February it will produce sturdy plants by St. Patrick's Day. A species of clover. Pkt., 15c.

## Kalanchoe

Culture: D, C or E, Page 52

2915 **HYBRIDA BRILLIANT STAR**. Showy window succulent, with attractive fleshy foliage and big trusses of vividly red blossoms. Pkt., 35c

2916 **YELLOW DARLING**. Flowers of a strong lemon-yellow of outstanding brightness. These flowers together with the shining green leaves make it a perfect plant for flower arrangements. Plants are dwarf and compact. Pkt., 50c

## Pansy □

Culture: A, B or C, Page 52

3841 **VAUGHAN'S LONG STEMMED WINTER FLOWERING RE-SELECTED MIXED**. It has a much wider color range than the original Winter Flowering strain and has an excellent stem length, averaging better than 10 in. The bloom size is from 2 1/2 to 3 in. and the flowers are of very good substance. Sow in summer for Midwinter blooming. Pkt., 50c

## Primula

Culture: D, C or E, Page 52

4465 **CHINESE VAUGHAN'S INTERNATIONAL MIXTURE**. Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. 12 in. Pkt., 75c

## NEW GIANT MALACOIDES—16 IN.

Culture: C (May-July). Pot up July-Sept., Page 52

4474 **GLORY OF RIVERSIDE IMPROVED**. A true rose pink. Easily grown from seed. Pkt., 35c

4477 **MALACOIDES MIXED**. Flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. Pkt., 35c

## PRIMULA OBCONICA GRANDIFLORA

Culture: D or E (Jan.-April); C (May-July). Winter in greenhouse. Germination 3-4 weeks. Page 52

4486 **AVALANCHE**. Pure white. Pkt., 35c

4487 **FASBENDER RED**. Large rich deep red. Pkt., 35c

4489 **SKY BLUE**. Extra large flowers. Pkt., 35c

4495 **OBCONICA GRANDIFLORA MIXED**. Good mixture. Pkt., 35c

4496 **GIGANTEA WYASTON WONDER**. The huge heads of bright crimson flowers are carried on strong stems well above the foliage. In spite of the vigorous growth, Wyaston Wonder makes a compact and tidy plant. Pkt., 50c

## Streptocarpus (CAPE PRIMROSE)

Flowers attain a diameter of 2 inches and over. Borne on long wiry stems, they last long when cut. An excellent pot plant for winter blooming

4990 **MIXED**. A blend of rich colored sorts from prize varieties. Pkt., 50c.



KALANCHOE Yellow Darling

## Tigridia

5641 **MIXED (SHELL FLOWER OF MEXICO)**. Few flowers are more gorgeously colored or more beautiful. "Beauty for a day" is another name for it. Sends up leafy stalks which bear strikingly beautiful flowers in succession. Treat as a Gladiolus in the north. Pkt., 25c

## Schizanthus

### POORMAN'S ORCHID

Culture: A or B, D or E, Page 52

Beautiful bushy plants covered with dainty flowers handsomely marked with contrasting colors. Seeds germinate in 20 days

4756 **MONARCH STRAIN**. This is the brightest mixture of rose and appleblossom pink, salmon, crimson deep violet purple and many indescribable variations which make this a riot of color. All are heavily veined in gold. Pkt., 25c

4753 **VAUGHAN'S DWARF "MASTERPIECE"**. The plants grow dwarf and compact, making them most suitable for pot plants. The color range of the flowers, which are of good size, is the most varied ranging from light pink and rose to a pleasing dark violet, all with conspicuous blotches. Pkt., 50c

## Solanum

Culture: D, C or E, Page 52

4779 **VAUGHAN'S CANDLE PEPPER**. The peppers which are one inch long and decidedly pointed, are creamy-yellow changing to red, producing a striking candle effect. The tapered peppers grow upright, giving a dainty and unusual effect. Pkt., 50c

4774 **CHRISTMAS CHERRY IMPROVED**. Uniform bushy plant, large round red fruit is freely produced. Pkt., 25c.

## Stocks

4981 **TRYSMIC GIANT IMPERIAL MIXED**. Of branching habit, this new strain comes 85% or more full-double from seed. The young single seedlings are noticeably weaker at the four-leaf seedling stage making it possible to remove them and so increase the percentage of double flowers. A well-balanced color range which includes fiery red, bright rose, chamois, lavender, dark blue, yellow and white. Pkt., 50c

### NON-BRANCHING COLUMN

These produce one stem, 2 1/2 ft. high thickly set with large double flowers

4963 **DEEP APRICOT**. A rich warm buff with a faint tinge of pink. Pkt., 50c

4952 **GARDENIA**. Shimmering white, the flowers are the purest snow white. Pkt., 50c

4966 **PACIFIC PINK**. A pure pink on cream base without the touch of blue usually found in this color. Well placed florets on good spikes. Shows up exceptionally well under artificial lights. Pkt., 50c

4970 **PINK GIANT**. A rich rose pink, the center of the flower being slightly lighter. The large florets are closely set on long stems. Pkt., 50c

4973 **WHITE GIANT**. Pure white without trace of green in the flowers, which are closely set on strong long stems. Pkt., 50c

4956 **SILVERY LILAC**. Lilac lavender. Pkt., 50c

4958 **MIXED**. A specially prepared formula which includes the above and others. Pkt., 50c

2846 **HOUSE PLANTS MIXED**. A mixture of the following: Begonia, Calceolaria, Cineraria, Schizanthus, Primula Malacoides, and Obconica Mixed. Pkt., 50c



FIRMING THE SOIL



MARKING THE ROWS



SOWING THE SEED  
SOWING SEEDS IN THE INDOOR BOX



COVERING THE SEED

# Flower Seed Cultures—How to Sow

**I**N FIVE paragraphs below, designated A, B, C, D, and E we cover in considerable detail the methods of starting flower seeds which are available to the amateur without a greenhouse, and which cover well the needs of an outdoor garden. In the flower seed section in the case of each flower listed, information is given as to the cultural methods which can be used for that subject.

**A** **Sow in the bed, border or row where the plants are to grow.** The soil should be loamy, with well pulverized surface. With heavy soil inclined to cake and crack, it is usually best to grow plants in a seed bed (B) and transplant to the permanent place. Loosen the soil where seeds are to be sown, with the trowel, or hoe, several inches deep. Rake smooth. Broadcast small seeds and cover them lightly four or five times their diameter. Very small seeds may be merely pressed in. Larger seeds may be planted singly, well covered, but more thickly than plants are wanted. Firm the soil well over the seed. Watering now becomes of great importance. At no time should the soil be allowed to become hard and dry, yet excessive watering may cause the seeds to rot, sour the soil, or cause "damping off." When the plants appear, thin them out, allowing each to grow singly, without crowding. The distance between them is governed by their ultimate size and spread. Excess plants may usually be moved to a new location.

**B** **Sow in outdoor seed bed, to be transplanted.** The seed bed in the open should be of loose, mellow loam, raised slightly above the surrounding surface, and preferably surrounded by a wooden curb, to prevent rain washing across it. It should not be wider than four feet, so it can be worked easily. Shelter from high winds is valuable, but damp and shady corners are not desirable. Full sun is advisable when seedlings are up, while shade when needed, as in mid-summer for perennial seedlings, is best supplied by a lath or cloth canopy, which can be removed in damp and cloudy weather. Sow the seeds in rows which may be as close as five inches. Sowing and watering are the same as described in "A" above. Seedlings may be transplanted when they make true leaves, the second pair of leaves to appear; or they may be left until larger before being moved to their permanent location. Perennials should be moved from the seed bed to a nursery row, to grow until fall before being moved to the border.

**C** **Sow in flat, pot or pan outdoors or in a cold frame.** This method is applicable to slow germinating subjects, some of which may take a year to germinate. Fill the receptacle with potting soil as described in "D", firm the soil and broadcast the seed, covering four or five times their diameter. Place the receptacle in a shaded location, where there is free air circulation. During the spring, summer and fall, water often enough to prevent soil from drying out. A mulch

of peat moss will help retain moisture. In winter, place in a protected place outdoors and cover with leaves. Have patience with slow germinating subjects; do not disturb too quickly. Any live seed will eventually grow if given time enough, provided soil, moisture supply, etc., are right. When seedlings appear and make true leaves, transplant to pots, nursery row or permanent location. If moss forms on soil surface, sprinkle fresh earth over top.

**D** **Sow indoors in a box, pot or pan.** This method may be followed where there is a window facing south, enjoying sunlight most of the day. Use a standard florist's pot or pan (shallow pot) or a "flat," which is a shallow box, with holes bored in the bottom for drainage. Cover the drainage holes in pot or box with broken pottery; fill with potting soil. This is a mixture of half sand and half black loam. It may be obtained from florists. Firm the soil, and sow the seeds in rows, marking each row to identify the sowing. Water by setting the box or pot in water, so that it soaks up from below, or use a fine spray which does not wash the soil. Place in a dark place, covered with a wet newspaper blanket until the seeds sprout. As soon as sprouts appear bring into full light. Cover the box or pot with glass to check evaporation, but when moisture collects on glass wipe it off, and prop up one end of the glass to allow air to circulate during the sunny part of the day. A temperature not below 50 degrees at night, or 75 degrees by day, is best. Do not allow the soil to dry out. When the seedlings have made true leaves (the second set), they should be transplanted to other flats, giving at least two inches of space apart; or they may be moved to small pots or to an outdoor seed bed or border.

**E** **Sow in a hotbed or cold frame.** A cold frame or a hotbed heated by manure or other means may be used. The best method with flower seeds is to sow seeds in flats, which are placed in the frame. With manure heated beds, seeds should not be sown until the temperature of the newly made bed has dropped to 90 degrees. Watering and ventilation are important. On sunny spring days, always prop up one end of the sash to prevent overheating which may occur quickly and cause spindly growth. Do not allow the soil to dry out. When the seedlings have made true leaves, they should be transplanted to other flats, spaced two inches apart each way; or to the soil in the hotbed, or to an outdoor location, if late enough.

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CAMILLIARD. Clear soft lavender, white bee. **Plants**, each, 75c; 3 for \$1.95; doz., \$6.25.

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DIANTHUS Lotifolius

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HEMEROCALLIS

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(Flax)

**PERENNE.** Blue flowers. 18". May-June. **Plants**, each, 50c; 3 for \$1.25; doz., \$4.75.

**Lobelia**  
(Indian Paintbrush)

**CARDINALIS.** 3'. Aug.-Sept. Rich fiery scarlet. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25.

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(Hardy Lupine)

**RUSSELL HYBRIDS.** 3-4'. May-July. The very best strain. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25.

**Lychnis**  
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**CHALCEDONICA.** 2-3'. July-Aug. Jerusalem Cross. Bright scarlet. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25.

**Mertensia**  
(Blue Bells)

**VIRGINICA.** 15". May. Blue shading to pink. **Plants**, each, 50c; 3 for \$1.25; doz., \$4.75

**Monarda**  
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**MRS. E. PRITCHARD.** 2 1/2-3'. Midseason. An exquisite blue. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25.

**PRIME MINISTER.** 2 1/2-3'. Late. White with crimson eye. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25



PHLOX

# Stokesia

(Stokes Aster)

**CYANEA.** 18". July-Oct. Large lavender flowers. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25

# Teucrium

  
(Germander)

**CHAMAEDRYS.** July-Sept. Glossy green foliage, resembling boxwood. Can be clipped to suit any height up to 12". Pink flowers. **Plants**, each, 75c; 3 for \$1.95; doz., \$6.25.

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**PFITZERI.** 2 1/2-3'. Aug.-Oct. Orange scarlet. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25

# Trollius

  
(Globe Flower)

**LEDEBOURI.** 3' June. Deep orange yellow. **Plants**, each, \$1.00; 3 for \$2.65; doz., \$8.25.

# Veronica

  
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**SUBSESSILIS.** 2-3'. July-Sept. Deep blue. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25.

**ICANA.** 9". June-July. Pale blue, silvery foliage. **Plant**, each, 60c; 3 for \$1.50; doz., \$5.25

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(Hardy Myrtle)

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**MINOR ALBA.** 3". May-June. A rare white flowered form. **Plants**, each, 75c; 3 for \$1.95; doz., \$6.25.

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**ROYAL ROBE.** 6-8". All summer. Large deep violet blue. Very fragrant. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25.

**WHITE WONDER.** 6-8". All summer. Large single white with blue and yellow tinting. Fragrant. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25

**CAUCASICA.** 2' All summer. Isaac House Strain. Soft lavender. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25.

# Scabiosa

  
(Blue Bonnet)

# Statice

  
(Giant Sea Lavender)

**LATIFOLIA.** 18". July-Aug. Dainty lavender flowers. **Plants**, each, 60c; 3 for \$1.50; doz., \$5.25



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### PURE CULTURE IMPROVED VITA BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. After the spawn is produced it is removed from the bottle intact and placed in a carton for shipment. One bottle equals 5 bricks of ordinary spawn and is sufficient for 40 square feet. Leaflet, "How to Grow Mushrooms" free with spawn.

Per carton ..... \$1.50 5 cartons for ..... \$6.50

If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

### PURE CULTURE IMPROVED VITA BRICK SPAWN

One brick will spawn 8 to 10 square feet and comes in pure white.

Per brick ..... 50c 5 bricks for ..... \$2.25

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

### ONION PLANTS

Vaughan's offer the following types of onion plants for shipment after April 15th to May 20th.

**BER MUDA** (for early green onions).

**YELLOW SWEET SPANISH** (for large onions).

Per bunch postpaid 55c; ten bunches, \$4.25

**HYBRID SWEET SPANISH** (for exhibition onions).

See Novelty page 7.

Per bunch, postpaid 65c; ten bunches, \$5.00

### SWEET POTATOES

See Novelty page 8 for a description of the new Murff Bush Sweet Potato.

Sweet Potatoes will be shipped from our grower in Southern Illinois.

We offer seed and plants of the following varieties of sweet potato.

Murff Bush (dark orange-yam type)

Porto Rico (dark orange-yam type)

Yellow Jersey (dry yellow flesh)

Nancy Hall (moist yellow flesh)

Due to a very short crop, we can offer only the Murff Bush and Porto Rico in weights of 11 pounds and over.

We can offer up to 10 pounds each of the other varieties.

### SWEET POTATO SEED

10 lbs., \$2.50 (post paid), 11 lbs., and up at 18c per lb., express at purchaser's expense.

### SWEET POTATO PLANTS

All orders for Sweet Potato Plants will be shipped from our grower in Southern Illinois direct to the purchaser and no plants will be shipped C.O.D. Orders for 1,000 or less will be sent by mail postpaid, all orders for more than 1,000 will be shipped express at purchaser's expense. 50 plants, \$1.20; 100, \$2.10; 200, \$3.85; 500, \$6.00; 1,000, \$10.00. By express per 1,000, \$9.00.

Our method of packing should insure safe arrival of plants in good condition. If larger quantities than quoted above are wanted, ask for special quotation.

Plants will be ready for shipment in the southern districts about April 15th, and for northern districts about May 15th to June 15.

## To Enjoy the Finest Vegetables, at Lowest Cost, Grow Your Own

In 1,000 square feet of garden soil enough fresh vegetables can be grown to supply the needs of a family of five during the harvest season, from May until November.

This food can be grown with work no harder than sweeping the floor, taking less time than would be required to purchase vegetables.

Vegetables fresh from the home garden possess a flavor which can never be equaled by others, because of the loss of quality which begins as soon as they are picked. In the case of sweet corn, peas, and others containing

considerable sugar, this loss is extreme, because of the sugar rapidly changing to starch.

Fresh picked vegetables are also rich in vitamins, which escape rapidly every hour that passes before they are served on the table. Delicious flavor and nutritious vitamins are a combination which only home gardeners can enjoy at their best.

Parents of young children will find them easy to interest in vegetables from their own garden. Thus a balanced diet becomes possible, at a minimum of expense.

## VEGETABLE PLANTING CHART

The key-date for all planting for the outdoor garden, whether it is done directly in the open garden, or under protection to grow plants to be transplanted, is the last killing frost of spring. You can ascertain this date in your neighborhood from experienced gardeners who usually know when it is safe to set out tender plants. In the columns headed: "Time to Sow," one for indoors, the other for outdoors, letters are used to indicate the number of weeks in advance of this safety date, when the operations indicated may begin.

### Weeks before date of last killing frost of spring.

A—10 weeks.

D—4 weeks.

B—8 weeks.

E—2 weeks.

C—6 weeks.

F—When danger of frost is over.

G—When soil is thoroughly warm, and nights above 60 degrees.

Vegetable	Time to Sow		What May Be Expected	Planting Measurements		
	Indoors	Outdoors		From 1 lb. of Seed	Distance Between Rows	Distance Between Plants
Beans	E		50 feet	2 1/2 feet	4 inches	1/2 inch
			50 feet	2 1/2 feet	4 inches	1/2 inch
			50 feet	2 1/2 feet	4 inches	1/2 inch
			50 feet	2 1/2 feet	4 inches	1/2 inch
			50 feet	3 feet	4 inches	1 inch
			75 hills	4 feet	2 feet	1 inch
			200 hills	4 feet	2 feet	1/2 inch
			50 feet	2 1/2 feet	4 inches	1/2 inch
Corn	E	Early	200 feet	3 feet	12 inches	1 inch
		Late	200 feet	3 feet	12 inches	1 inch
			100 feet	3 feet	1 inch	1 inch
Peas	C		From 1 oz. of Seed			
Asparagus	C		500 plants	3 feet	15 inches	1/2 inch
			50 feet	1 1/2 feet	2 inches	1/2 inch
Beet	D		2000 plants	2 1/2 feet	1 1/2 feet	1/4 inch
			2000 plants	2 1/2 feet	1 1/2 feet	1/4 inch
Broccoli	B		2000 plants	2 1/2 feet	1 1/2 feet	1/4 inch
			2000 plants	2 1/2 feet	1 1/2 feet	1/4 inch
Brussels Sprouts	B		2000 plants	2 1/2 feet	1 1/2 feet	1/4 inch
			2000 plants	2 1/2 feet	1 1/2 feet	1/4 inch
Cabbage	Early		2000 plants	2 1/2 feet	2 feet	1/4 inch
		Late	2000 plants	2 1/2 feet	2 feet	1/4 inch
Cabbage	Chinese		5000 plants	2 1/2 feet	1 foot	1/4 inch
			100 feet	1 1/2 feet	2 inches	1/4 inch
Carrot	D		2000 plants	2 1/2 feet	1 1/2 feet	1/4 inch
			100 feet	1 1/2 feet	2 inches	1/4 inch
Cauliflower	B		3000 plants	2 1/2 feet	6 inches	1/16 inch
			100 feet	2 1/2 feet	8 inches	1/16 inch
Celeriac	A		3000 plants	2 1/2 feet	12 inches	1/16 inch
			100 feet	2 1/2 feet	12 inches	1/16 inch
Celery	A		3000 plants	2 1/2 feet	12 inches	1/16 inch
			100 feet	2 1/2 feet	12 inches	1/16 inch
Chicory	F		100 feet	2 1/2 feet	12 inches	1/16 inch
			200 feet	2 1/2 feet	12 inches	1/16 inch
Chives	D		150 feet	1 foot	3 inches	1/2 inch
			100 feet	1 foot	1 inch	1/4 inch
Corn Salad	D		100 feet	1 foot	4 feet	1/2 inch
			60 hills	1 1/2 feet	6 inches	1/16 inch
Cress	G		200 feet	1 1/2 feet	6 inches	1/16 inch
			100 feet	1 1/2 feet	6 inches	1/16 inch
Cucumber	G		100 feet	1 1/2 feet	6 inches	1/16 inch
			60 hills	1 1/2 feet	6 inches	1/16 inch
Dandelion	E		100 feet	1 1/2 feet	6 inches	1/16 inch
			200 feet	1 1/2 feet	6 inches	1/16 inch
Eggplant	B		1000 plants	3 feet	3 feet	1/8 inch
			1000 plants	3 feet	12 inches	1/4 inch
Endive	D		3000 plants	1 1/2 feet	12 inches	1/4 inch
			100 feet	2 feet	6 inches	1/4 inch
Florence Fennel	G		2000 plants	2 feet	1 1/2 feet	1/4 inch
			100 feet	2 feet	1 1/2 feet	1/4 inch
Kale	F		2000 plants	2 feet	4 inches	1/2 inch
			150 feet	2 feet	4 inches	1/2 inch
Kohlrabi	D		100 feet	2 feet	4 inches	1/2 inch
			100 feet	2 feet	4 inches	1/2 inch
Leeks	A		100 feet	1 1/2 feet	4 inches	1/2 inch
			100 feet	1 1/2 feet	4 inches	1/2 inch
Lettuce	B		3000 plants	2 feet	12 inches	1/4 inch
			100 feet	2 feet	10 inches	3/8 inch
Mangel Wurzel	D		50 feet	2 feet	12 inches	1/4 inch
			100 feet	2 feet	10 inches	3/8 inch
Melon	G		100 hills	4 feet	4 feet	1/2 inch
			100 hills	4 feet	6 inches	1/4 inch
Mustard	D		100 feet	2 1/2 feet	15 inches	1/2 inch
			250 plants	2 1/2 feet	15 inches	1/2 inch
Okra	F		100 feet	1 foot	2 inches	1/2 inch
			250 plants	1 foot	2 inches	1/2 inch
Onion	A		100 feet	1 1/2 feet	3 inches	1/2 inch
			100 feet	1 1/2 feet	3 inches	1/2 inch
Parsley	D		100 feet	1 1/2 feet	3 inches	1/2 inch
			100 feet	1 1/2 feet	3 inches	1/2 inch
Parsnip	D		2000 plants	3 feet	3 inches	1/2 inch
			30 hills	5 feet	5 feet	1 inch
Pepper	C		50 feet	1 foot	1 inch	1/2 inch
			50 feet	1 foot	1 inch	1/2 inch
Pumpkin	F		100 feet	3 feet	3 feet	1/2 inch
			30 hills	5 feet	5 feet	1 inch
Radish	D		50 feet	1 foot	1 foot	1/2 inch
			50 feet	1 foot	1 foot	1/2 inch
Rhubarb	D		100 feet	3 feet	3 feet	1/2 inch
			100 feet	3 feet	3 feet	1/2 inch
Salsify	D		75 feet	1 1/2 feet	2 inches	3/8 inch
			50 feet	1 1/2 feet	2 inches	3/8 inch
Spinach	C		250 plants	2 feet	2 feet	1/2 inch
			50 feet	4 feet	4 feet	1/2 inch
Spinach, New Zealand	E		50 hills	7 feet	7 feet	1/2 inch
			50 hills	7 feet	7 feet	1/2 inch
Squash	E	Summer	15 hills	1 1/2 feet	6 inches	1/2 inch
		Winter	75 feet	1 1/2 feet	6 inches	1/2 inch
Swiss Chard	D		150 feet	4 feet	3 feet	1/4 inch
			75 feet	4 feet	3 feet	1/4 inch
Tomato	C		1500 plants	1 1/2 feet	3 inches	1/8 inch
			150 feet	2 feet	6 inches	1/4 inch
Turnip	C	Early	150 feet	2 feet	6 inches	1/4 inch
		Rutabaga	150 feet	2 feet	6 inches	1/4 inch
Watermelon	F		50 hills	8 feet	8 feet	1 inch
			50 hills	8 feet	8 feet	1 inch

# Vaughan's Vegetable Seeds



## SYMBOL OF QUALITY

To guide home gardeners in selection of varieties to grow we mark with the symbol shown above those varieties which we consider to be superior under most conditions to other varieties of similar description and purpose.

## Artichokes

**A-1 ARTICHOKE GREEN GLOBE.** A perennial with edible blossoms that matures second year after planting. It will not stand hard freezing and requires renewing every few years. Pkt., 25c;  $\frac{1}{2}$  oz., 75c; oz., \$1.50.



## Asparagus

**Seed Planting.** Seed will produce a crop in three years. One ounce produces 300 plants. Roots will produce a crop in two years.

Plant roots two feet apart in rows four feet apart. Roots (2 yrs. old) Doz. 100, 1,000

**MARY WASHINGTON** \$1.00 \$3.75 \$32.00

If by mail, add postage as follows: 100, 50c.

## SEED

**A-4 MARY WASHINGTON.** Most recommended and a rust-proof strain. Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.10

**A-5 PARADISE.** Heavy yielding, producing crop in two years. Pkt., 15c; oz., 65c;  $\frac{1}{4}$  lb., \$1.75

## Edible Soy Beans



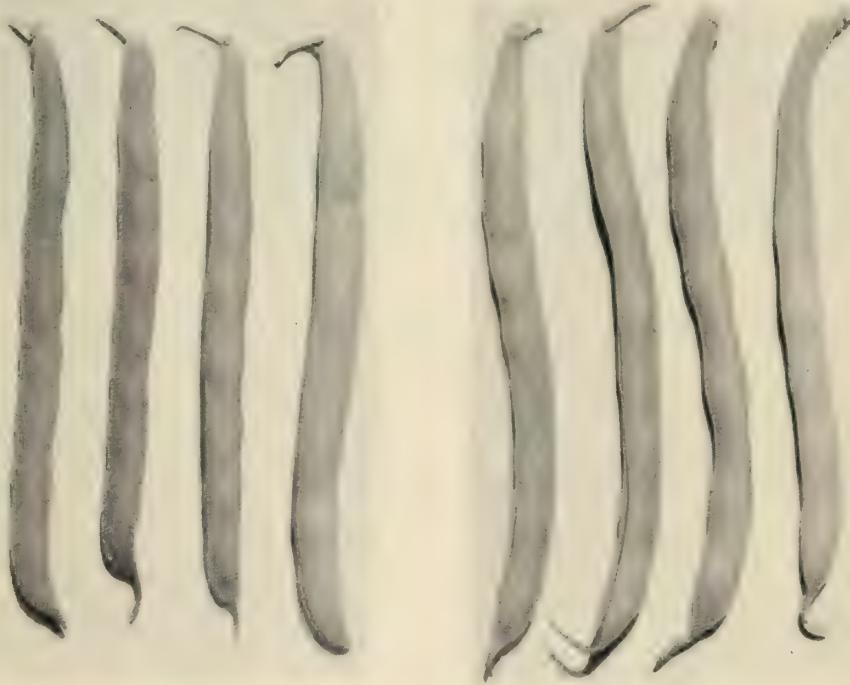
Soy Beans have proteins, 36.5%; fats, 17.5% compared with Navy Beans' proteins, 22.7%; fats, 1.5%. They are esteemed highly as a food for diabetics.

**B-3 BANSEI.** 90 Days. Most recommended for northern districts. Pods turn from a pale green to a pale greenish yellow.

Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., 95c

Improved germination and vigor of growth in beans is induced by inoculating the seeds with Nitragin. Garden size 15c, sufficient to treat 6 lbs. of peas, beans, lima beans and sweet peas. Easy to apply. 3 packets for 40c

## New Beans Surpass Old in Yield and Quality



TOPCROP

TENDERGREEN

**Q**UALITY in beans is measured by stringlessness, by tenderness, or the absence of fiber or "linen" in the pod; by ability to produce well under favorable or adverse conditions and by the length and shape of pod. Round-pod beans are considered of superior quality, due to superior stringlessness and less fiber. Flat pod varieties rate high in yield and flavor.

One week before frost proof date, sow bush beans two inches deep, 2-4 inches apart, pole beans, 4-6 inches apart. Harvest pods before seeds form. If picked clean, plants will bear until frost; but young plants yield best and succession plantings are advised.

## Round-Pod Bush Beans

**B-23 CONTENDER.** 49 Days. An excellent 1950 introduction of the late Dr. B. L. Wade. Undoubtedly the finest early home garden bush bean and perhaps the best of all sorts. Resistant to common bean mosaic and greasy pod. Pkt., 25c;  $\frac{1}{2}$  lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50.

**B-1 WADE.** 55 Days. All America Gold Medal, 1952. Supreme quality combined with heavy yield won the top award for this new variety, which experts consider the finest all-purpose greenpod bush bean yet developed. Pkt., 25c;  $\frac{1}{2}$  lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50.

**B-13 TOPCROP.** 50 Days. All America Gold Medal 1950. Until the introduction of the new variety Wade, this was unsurpassed for a combination of quality, yield and disease resistance. Compared with Wade, it is not as dark a color, and the pods mature faster, giving a shorter period of top quality. It outyields Wade under most conditions. Pkt., 25c;  $\frac{1}{2}$  lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50

**B-40 TENDERGREEN.** 52 Days. Good sized bush bearing long round pods of medium green color. The pods are straight and stringless and average 6 in. long and  $\frac{3}{8}$  in. through. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

## Flat-Pod Bush Beans

**B-5 BOUNTIFUL.** 49 Days. The earliest flat pod variety and extremely popular in the home garden. Pods are a clear light green, wide, flat, fleshy, slightly fibrous, but entirely stringless, brittle and tender. The seeds are a solid straw color or brownish yellow. Does well in any soil. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-38 STREAMLINER.** 55 Days. This is among the most productive of the bush types. The plants bear 7 in. long,  $\frac{1}{2}$  to  $\frac{3}{4}$  in. wide, fleshy pods. The quality is excellent; stringless, nearly fiberless, fleshy, round to flat, straight. Seed clear white, kidney shape, excellent as dry bean and outstanding for baking. Does well in medium heavy soil. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-16 GIANT STRINGLESS GREEN POD.** 53 Days. Stringless, tender, good flavor, good canner and home garden sort. Does best in heavy soil. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-39 STRINGLESS GREEN POD.** (Landreth Stringless). 50 Days. Medium sized bush, productive, bearing long, round pods of good color. Stringless, fleshy and nearly straight. Does best in heavy clay soil. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-4 BLACK VALENTINE STRINGLESS.** 52 Days. Medium sized bush bearing fine long round, stringless, attractive uniform pods. Excellent shipper and selected by many market gardeners as the best quality early skipper. Does best in heavy soil. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.



B-10 WAX-POD BEAN CHEROKEE. Pkt. 15c.

## Top Wax-Pod Bush Beans

**B-10 CHEROKEE.** 53 Days. [V]Originated by the South Carolina Experiment Station, this won an All America award for 1948. The plants are vigorous, prolific, uniform, with long, straight, and meaty golden yellow oval pods of good quality. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-17 GOLDEN BOUNTIFUL WAX.** 53 Days. Plants large and very productive. Pods deep yellow, wide, thick, flat, fleshy and stringless. Seed purplish black. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-29 PENCIL POD WAX.** 55 Days. Plant large, strong, and bears an abundance of pods over a long period making it excellent for home garden use. Pods 6 in. long,  $\frac{7}{16}$  in. broad. Nearly round, stringless, straight, fleshy, free from fiber and excellent quality. Seed oblong, slightly flattened. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-35 ROUND POD KIDNEY WAX (Brittle Wax).** 55 Days. Very desirable for both home garden and canning trade. Plant medium large, erect, vigorous and productive. Pods waxy light yellow,  $5\frac{1}{2}$  in. long,  $\frac{3}{8}$  in. thick. Round, fleshy, brittle, stringless and without fiber. Seed white, blackish eye, kidney shape. Does best in medium heavy soil. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-41 TOP NOTCH GOLDEN WAX.** 52 Days. A superior type to the old Improved Golden Wax. Very productive and compact plant. Creamy yellow pods that are straight, oval, stringless and brittle. 5 inches long,  $\frac{1}{2}$  inch wide. Seed solid white with brown eye. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

## POLE BEANS

**POLE** varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning to the four strongest. A package plants 15 hills; 1 lb., 100 hills.

**B-11 BLUE COCO POLE BEAN.** 65 Days. [V]World famous quality bean. See Novelty page 7. Pkt., 25c;  $\frac{1}{2}$  lb., 65c; lb., \$1.15

**B-21 KENTUCKY WONDER OR OLD HOMESTEAD.** 65 Days. [V]The leading pole bean, the best known and most widely used. The pods are fleshy and 7 to 10 inches long and stringless when young. Kept picked they will bear all season. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-22 KENTUCKY WONDER WAX.** 65 Days. Unsurpassed within the wax-podded pole variety field. A very heavy producer of attractive, high quality pods. Also good for green shell beans. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-44 BURGER'S STRINGLESS OR WHITE SEEDED KENTUCKY WONDER.** 63 Days. Popular because adapted to freezing and stringless. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-25 LAZY WIFE OR WHITE CRANBERRY.** 74 Days. Fine for snap or green shell beans. Also a good dry shelled bean. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-36 SCARLET RUNNER.** 65 Days. Outstanding bean for its ornamental purposes but may also be used for green shell beans. Has large beautiful scarlet blossoms. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-48 YARD LONG OR ASPARAGUS BEAN.** 70 Days. Bears a long, round pod of 18 to 28 inches long,  $\frac{1}{4}$  inch in diameter, light green, nearly round, fleshy, good quality when young. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

## SHELL BEANS

**B-9 DWARF HORTICULTURAL (Speckled Cranberry).** Plant medium size, fairly productive. 60 days for green shell and 90 days for ripe shell. Pods dark green becoming yellow splashed with carmine. Pods 5 in. long,  $\frac{3}{8}$  in. wide. Nearly round at green stage, stringless but having fiber. Seeds full oval, pinkish buff. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-12 ENGLISH BROAD WINDSOR.** 80-90 Days. Stalks tall slender, pods green hairy, 5 to 6 in. long, containing 4 to 6 beans. Green shell beans, large flat, light green. Dry seed large, circular, flat, reddish brown with black eye. Will stand freezing and should be planted early in the north. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-32 RED KIDNEY.** 95 Days. Plant is large, vigorous. Pods 5 inch long,  $\frac{1}{2}$  in. broad. Dark green, oval, flat, stringy, tough. Seed dark, reddish brown. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-45 WHITE KIDNEY.** 100 Days. For dry shell use only. Pods  $5\frac{1}{2}$  in. long. Seed long, white, kidney shape. Kidney types as well as field types do well on any medium heavy soil. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-46 WHITE MARROW.** 100 Days. Plant large with semi-runners, hardy. Pods 5 in. long,  $\frac{1}{2}$  in. in diameter. Seed white, oval, short. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

## COMMERCIAL BEANS

**B-19 GREAT NORTHERN.** 90 Days. Hardier and heavier vine than the Navy, having a longer pod and larger beans. One of the most important dry edible commercial beans grown. Pkt., 15c;  $\frac{1}{2}$  lb., 45c; lb., 80c; 2 lbs., \$1.35; 5 lbs., \$3.25.

**B-28 MICHELITE.** 95 Days. White Navy or Boston Pea-Bean (Michigan Navy). Resistant to mosaic and bacterial blight. It is the most widely known and grown of the commercial beans. Pkt., 15c;  $\frac{1}{2}$  lb., 45c; lb., 80c; 2 lbs., \$1.35; 5 lbs., \$3.25.

## Luxury Limas

**LIMAS** should be planted with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space, but the Pole Limas yield better. One week after frost proof date sow seeds two inches deep, and thin plants of small seeded bush and all pole varieties to stand 6 inches apart, all large seeded bush to stand one foot apart. Plants kept picked clean will bear until frost.

### BUSH

**B-31 TRIUMPH.** 72 Days. All America winner, 1949. A new type that is in between Fordhook and Baby Fordhook in size, and which gives a heavy yield under adverse conditions. Of fine quality, especially suited to freezing and canning. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-15 FORDHOOK No. 242.** 73 Days. [V]We recommend this variety in preference to Fordhook Bush, which it resembles in size and quality, but which it will outyield under adverse conditions. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-14 FORDHOOK BUSH.** 75 Days. Plant is large, erect and heavily productive. The seeds are large, white, very thick and plump. Highly adapted to freezing. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.



BABY FORDHOOK. Pkt., 15c

**B-2 BABY FORDHOOK.** 70 Days. Small plant with vigorous branch and leaf growth. Foliage darker than Fordhook and more productive. Excellent small thick beans for canning and freezing. Cross of Fordhook and Henderson. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-6 BURPEE'S IMPROVED BUSH.** 75 Days. Plant large and spreading and quite productive. Pods broad, flat, usually with 4 large thick greenish seeds. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

**B-7 CANGREEN.** 65 Days. A new green seeded Henderson type of lima well adapted for freezing. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.



USDA 2 Henderson. Pkt., 15c

**B-42 USDA No. 2 HENDERSON.** 65 Days. Popular as an early home garden variety. Pods short, flat, containing 3 to 4 small oval beans. Green shell beans of excellent quality. Plant medium size and heavily productive. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

### POLE

Packet plants, 15 hills; lb., 100 hills.

**B-24 KING OF THE GARDEN.** 88 Days. Outstanding pole lima for heavy production and climbing ability. Numerous large pods filled with 5 to 6 large beans of excellent quality. Pkt., 15c;  $\frac{1}{2}$  lb., 50c; lb., 85c; 2 lbs., \$1.50; 5 lbs., \$3.50.

### S-437 NITRAGIN

#### Inoculate Your Beans and Peas

The roots of legumes, which include peas and beans, are the hosts of bacteria which secrete nitrogen from the air. This is concentrated in nodules on the roots. The nitrogen becomes available to the soil, and stimulates the growth of the plant. This process is speeded up by applying a bacterial culture to the seed before planting. Nitragin is the original legume inoculation culture. S-437 Garden Size for beans, peas, sweet peas, lima beans and lupines. Pkt. 15c, 3 for 40c. Each packet treats 6 lbs. of seed.

**THE COMPLETE BOOK OF GARDEN MAGIC.** By Roy E. Biles. Whatever your interest in gardening, there is vital, helpful, practical information for you in The Complete Book of Garden Magic. It tells you the right way, the best way to get the most out of everything from the simplest house plant to a complete outdoor garden. Here is the expert gardening experience of twenty-five years packed between the covers of one book. Twenty-seven chapters lavishly illustrated—completely indexed to help you find the exact information you want right away. 334 pages. \$4.10 Postpaid.

# Table Quality Beets



B-77 BEET PERFECTED DETROIT. Pkt., 15c; 1/2 oz., 25c

QUALITY in beets is measured by an even, globular shape, uniformity in size, bright, even color, flavor, fine texture and tenderness. Here, as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, and transplanted again to produce seed. Only beets which conform to the highest quality standards are planted for seed.

All beets keep well in winter when properly stored. A special sowing should be made in midsummer to produce the storage crop.

As soon as soil can be worked in the spring, sow one seed to the inch, in drill half inch deep. Firm soil well over seed and water well if required. Thin when roots begin to make lobes, to stand 4 inches apart in row. Cook discards with their tops.

Quantity needed to sow: 15 ft. row, 1 pkt.; 60 ft. row, 1 oz.; acre, 7 lbs. (Rows 18 in. apart).

B-78 FIRE BALL. 55 Days **VA** A dark blood red beet that is almost completely free of zonation. A very nice sort for an early planting. The roots are a smooth globe shape like Detroit but do not grow as large.

Pkt., 15c; 1/2 oz., 35c; oz., 55c; 1/4 lb., \$1.25

B-77 PERFECTED DETROIT. 55 Days **VA** In this improved strain of Detroit Dark Red the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding.

It is earlier and almost spherical in shape. The tops are taller than Regular Detroit and the leaves are greened with red.

Pkt., 15c; 1/2 oz., 25c; oz., 40c; 1/4 lb., 95c

B-76 DETROIT DARK RED. 55 Days A strikingly uniform strain producing a very smooth globe shaped root of a very dark red inside and out. Tops are intermediate in height, uniform, refined, dark green becoming tinged with red. It is sweet and remains tender until maturity.

Pkt., 15c; 1/2 oz., 25c; oz., 40c; 1/4 lb., 95c

B-75 CROSBY'S EGYPTIAN. 50 Days. This early variety has long been a home garden favorite. It is exceptionally tender and sweet, of a deep red with some light zonation, and fine texture. Tops are of medium size and the roots of a flattened globe shape, excellent a table quality.

Pkt., 15c; 1/2 oz., 25c; oz., 40c; 1/4 lb., 95c

B-82 LONG DARK BLOOD. 75 Days. Roots long, smooth, dark red, tapering to a point, 7 in. long, remaining tender in storage. A fine winter keeper that is superior for pickles.

Pkt., 15c; 1/2 oz., 25c; oz., 40c; 1/4 lb., 95c

B-79 LONG SEASON (Winter Keeper). 75 Days. A home garden favorite, tender and sweet at any stage of growth, and keeps all winter. Perhaps best table quality variety. Matures slowly. Pkt., 25c; 1/2 oz., 35c; oz., 55c; 1/4 lb., \$1.25

B-80 GREEN TOP BUNCHING. 55 Days. **VA** An extremely attractive bunching beet that we recommend as a top all purpose beet. Tops medium. Roots round, smooth and glossy, slightly flattened when fully mature; flesh bright blood red. Pkt., 15c; 1/2 oz., 25c; oz., 40c; 1/4 lb., 95c

B-81 IMPROVED EARLY EGYPTIAN. 45 Days. The best variety for forcing and first early crop. Roots are very dark red, rounded on top, flat beneath, small tops. Pkt., 15c; 1/2 oz., 25c; oz., 40c; 1/4 lb., 95c

## Sugar Beets

B-93 KLEIN-WANZLEBEN. 100 Days. The most desirable beet for sugar manufacture; valuable also for stock feeding. Roots medium large and good keeper. Pkt., 15c; oz., 30c; 1/4 lb., 75c; 1/2 lb., \$1.25

## Mangel Wurzel

MANGELS are an excellent crop for a source of feed for dairy and poultry farms. Both Mangel and Sugar Beet seed are in great demand for planting in Europe. Our types are equally suited for European and home production. Sow in May or June, 6 lbs. to the acre, in rows 2 feet apart, and thin to nine inches.

B-89 MAMMOTH LONG RED. 110 Days. Largest and heaviest cropper of long red sort. Light red, flesh white tinged with rose. Pkt., 15c; oz., 30c; 1/4 lb., 75c; 1/2 lb., \$1.25

B-87 GOLDEN TANKARD. 110 Days. A suitable yellow sort. Pkt., 15c; oz., 30c; 1/4 lb., 75c; 1/2 lb., \$1.25



C-99 COLLARD CABBAGING. Pkt., 15c; oz., 35c

## Collards

THIS is a relative of the cabbage which produces green leaves of cabbage flavor, and having a much higher vitamin content. It produces edible leaves in 45 days. In the south collards are extensively grown instead of cabbage. In northern home gardens they will supply a larger quantity of edible leaves than cabbage for the space occupied.

C-99 CABBAGING. 75 Days. A desirable type producing rather compact plants 1 1/2-2 feet high. Large loose clusters of leaves which often tend to head. Pkt., 15c; oz., 35c; 1/4 lb., \$1.05

C-100 GEORGIA. 75 Days. Non heading and very generally grown for greens in the south. Plant 2-3 feet tall, erect, spreading. Pkt., 15c; oz., 35c; 1/4 lb., \$1.05



## Green Broccoli

ROCCOLI is far richer in vitamins than white cauliflower, which it resembles in flavor. It is also a much easier subject for the amateur than cauliflower, and has a much longer harvest. It survives light frosts and produces well in the cool autumn weather.

Sow outdoors with earliest crops, transplant or thin out 18 inches to 2 feet apart. Protect from aphids and cabbage worms. After center heads are cut, each branch will produce a head, harvest lasting until killing frost.

B-96 DE CICCO. 60 Days. The earliest strain of broccoli available. It matures about 10 days earlier than the regular, which permits a partial harvest before the hot weather slows growth.

Pkt., 20c; 1/2 oz., 45c; oz., 85c; 1/4 lb., \$2.50

B-95 ITALIAN GREEN SPROUTING. 70 Days. An outstanding strain that is highly recommended for freezing. After its large center heads are harvested, smaller heads 2 inches in diameter form at the end of lateral branches.

Pkt., 15c; 1/2 oz., 35c; oz., 65c; 1/4 lb., \$1.65

## Brussels Sprouts

BRUSSELS SPROUTS are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost and it is usually a fall crop, sown in June.

B-98 IMPROVED DWARF. 80 Days. Grows 18 to 30 inches high producing compact sprouts, 1 to 2 inches in diameter; grayish green in color. Hardy, early.

Pkt., 15c; 1/2 oz., 50c; oz., 95c

B-99 LONG ISLAND IMPROVED. 90 Days. Plant dwarf and compact; 20 in. tall; very uniform; stem well covered with firm, round cabbage-like balls of 1 1/4-1 1/2 in. diameter which mature in succession.

Pkt., 15c; 1/2 oz., 50c; oz., 95c



BRUSSELS SPROUTS

# Yellows Resistant and Standard Cabbage

WHEREVER the temperature of the soil rises to 85 degrees and remains for several days, there is danger of the yellows disease, and when it strikes, a crop failure may result.

In the great cabbage growing district centering around Racine and Kenosha, Wisconsin, an industry has been saved by developing strains of cabbage resistant to yellows. We offer seed of these strains, which have been developed by years of scientific work, and actual growing tests. The uniformity and yield of resistant strains have greatly improved. We recommend their use wherever danger of yellows may exist. If the disease strikes, resistant strains will show slight loss, where non-resistant types would probably be destroyed.

**Cabbage Culture:** After frost proof date, set out plants for early crop. Late varieties may be sown outdoors in June. Space small early types 12 inches apart, medium 18 inches, large late 2 feet. Water well and protect from worms and aphids.

## HYBRID CABBAGE

**C-18 O-S CROSS.** 70 Days. Honorable Mention All America trials 1951. This first F1 hybrid cabbage to be introduced was bred by a method requiring no hand pollination. Its chief merits are huge size, high quality and extreme vigor. The heads weigh up to 10 pounds, are solid, low growing, short stemmed, with bluish outer leaves and a light green interior. Pkt., 35c

## Yellows Resistant Varieties

**C-2 BADGER MARKET.** 65 Days. A new early round headed resistant cabbage. New for 1954. See novelty page 7. Pkt., 25c

**C-13 EARLY RESISTANT DETROIT.** (A Golden Acre Type). 63 Days. An excellent round head resistant early cabbage. It will produce good crops on "yellow" sick soil where regular Golden Acre cannot do well and is only couple of days later. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

**C-1 BUGNER.** 100 Days. **VA** winter variety most popular in the Chicago area. Our strain has been selected for resistant qualities many years. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

**C-10 GLOBE.** 75 Days. **VA** a resistant Glory of Enkhausen of excellent flavor. You who think that there is no difference in the flavor of cabbage, should compare a mature Globe with any other. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25



**C-15 CABBAGE JERSEY QUEEN.**  
Pkt., 15c; 1/2 oz., 45c

**C-15 JERSEY QUEEN.** 60 Days. **VA**s near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. One of the earliest resistant strains to mature and is recommended to the home gardener. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

**C-16 MARION MARKET.** 75 Days. Yellows resistant strain of Copenhagen Market. Larger and coarser in plant and not so early or uniform but with the round head and crisp tenderness of the parent cabbage. Will produce a normal crop on yellows infested soil. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

### C-24 WISCONSIN ALL HEAD EARLY.

80 Days. This is a midseason resistant variety which will stand for a long time without bursting and is nearly 100% resistant. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

### C-25 WISCONSIN ALL SEASONS.

90 Days. Either a kraut or home variety, but is used more for kraut than any other purpose. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

### C-28 WISCONSIN BALLHEAD.

100 Days. A highly perfected strain of yellows-resistant cabbage. A good keeper, of finer texture and matures earlier than Wisconsin No. 8. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

### C-5 WISCONSIN COPENHAGEN.

68 Days. A new introduction of a resistant Copenhagen strain that bears large heads early with a lighter color than Racine Market. This variety will also stand in the field a long time without bursting. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25



**C-16 CABBAGE YELLOW RESISTANT MARION MARKET.** Pkt., 15c; 1/2 oz., 45c

## Red Cabbage

### Valued for Distinctive Flavor

**C-14 RED ACRE.** 75 Days. **VA**n early, round head, very hard, 6 inches through, weighing 4 lbs. One of the earliest reds of quality. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

**C-17 MAMMOTH ROCK RED.** (Long Island Strain). 100 Days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

**C-22 RED YELLOWS RESISTANT.** 100 Days. Not as large as Mammoth Rock Red, but darker and more uniform color. CROP FAILURE



**C-18 O-S HYBRID CABBAGE.** Pkt., 35c

**C-30 RACINE MARKET.** 64 Days. **VA**large, round headed uniform cabbage of Golden Acre type with characteristic blue green color. Will remain in field longer than other early cabbage without splitting. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25

## STANDARD CABBAGES

**C-4 COPENHAGEN MARKET EXTRA EARLY.** 65 Days. Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00

**C-9 EARLY JERSEY WAKEFIELD.** 62 Days. This extra early conical shaped head cabbage is a specialty with us. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00

**C-11 GOLDEN ACRE.** 60 Days. The earliest round headed cabbage, especially valuable to the market gardener for early shipping. The plants are small and compact allowing close setting, the stem short and heads uniformly round and firm. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00

**C-31 GOLDEN ACRE.** (AH45). The earliest strain of Golden Acre Cabbage yet introduced. Pkt., 25c; 1/2 oz., 50c; oz., 85c; 1/4 lb., \$2.50

**C-6 DANISH BALLHEAD SHORT STEM.** (Dwarf Amager). 105 Days. Heads large, flattened globe shape; very firm and solid; keep very well in storage. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00

**C-21 PENN STATE BALLHEAD.** 105 Days. Yields as high as 26 tons per acre have been recorded. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00

**C-23 PREMIUM FLAT DUTCH.** 110 Days. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00

### Here's Table Quality in Cabbage

**C-3 CHIEFTAIN SAVOY.** 88 Days. You seldom see it in the markets, but friends who know European cooking will tell you how delicious Savoy Cabbage tastes, stuffed with sausage, or cooked in other ways. The flavor is more delicate than white cabbage, but does not keep as well. Pkt., 15c; 1/2 oz., 45c; oz., 75c; 1/4 lb., \$2.25



**PAOTING.** Pkt., 15c      **CHIHLI.** Pkt., 15c

## Chinese Cabbage

Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

**C-26 CELERY CABBAGE CHIHLI.** 90 Days. **VA**the most uniform strain of Chinese cabbage. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00

**C-20 CELERY CABBAGE CHIHLI.** 70 Days. From seed sown in late June or early July it produces slender, tight heads 6x18 inches, bleached in center with tips green. Makes delicious salad raw and has delicate cabbage flavor cooked without odor. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00

**C-19 CELERY CABBAGE PAOTING.** 80 Days. Genuine "Wong Bok" type. Will mature firm heads through the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. It is the largest of the Chinese Cabbages. Pkt., 15c; 1/2 oz., 40c; oz., 70c; 1/4 lb., \$2.00

**Celeriac** TURNIP ROOTED CELERY

COOKED and prepared as a salad, or used to flavor meats, it has a rich celery flavor. The roots keep well in winter. Recipes for preparing enclosed upon request.

**C-84 LARGE SMOOTH PRAGUE.** About 110 Days. A main crop variety. Pkt., 15c; 1/2 oz., 50c; oz., 85c; 1/4 lb., \$2.75

# Slender, Tender Carrots



C-49 CARROT, SWEETHEART. Pkt., 20c

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to color, size, shape, tops and season maturity, our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum "core." Scientists say the brighter the color, the more Vitamin A in carrots.

Sow as soon as soil can be prepared, in shallow drills, 5 seeds to the inch. Thin out when finger size, and serve discards. Carrots will mature well growing close enough to each, and remain delicious all season; but many prefer them young, and make several sowings.

C-43 IMPERIDA. 77 Days. A brand new carrot with a long slender root and a short strong top. The roots are a deep orange and from 7 to 8" long.

Pkt., 25c;  $\frac{1}{2}$  oz., 50c; oz., 85c;  $\frac{1}{4}$  lb., \$2.25

C-49 SWEETHEART. 70 Days. A very fine strain of Nantes type. The top is short and the root is a bright orange with the least core of any variety grown.

Pkt., 20c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95

C-51 TOUCHON. 70 Days. From the time it is larger size and thinned out of the row in early spring, until it reaches full growth in the autumn, this variety excels in flavor, tenderness, even in yield, for home gardens. Its slender shape permits growing closer than thicker types and decreases the core which all carrots have even though you may not see it. Its flesh is fine grained, sweet and has bright orange coloring.

Pkt., 20c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95

C-58 RED HEART. (Red Core Chantenay). 70 Days. It has no visible core, but its rich red coloring is even throughout the flesh. The top is very strong, hence ideal for bunching. The root is of medium length, blunt, smooth and easily prepared for serving.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95

C-60 TABLE QUEEN. 70 Days. Half-long type, rich

ed, tender, crisp and one of the sweetest we know.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95

C-53 IMPROVED CHANTENAY. 75 Days. A strain

of Early Chantenay which resembles the original

type in most respects except that it averages 1 1/2 to

inches longer and has sloping shoulders.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95

C-62 RED FLOWERS IN COLORS. By Daniel J. Foley.

These 350 brilliant and lifelike color plates of flowers contained in this book make it the greatest value

that has ever appeared in picture books. Valuable

as a means of identifying garden flowers. 320 pages.

2.95.

C-47 NANTES HALF LONG SCARLET. 70 Days. An early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95

C-42 GUERANDE OR OXHEART. 70 Days. Of rapid growth, often attaining a weight of 1/2 pound. It has a good flavor and is tender. A second early.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95

C-44 IMPERATOR. 77 Days. Has roots 7 to 8 inches long, slightly tapering and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95

## CARROTS FOR STOCK

C-46 IMPROVED LONG ORANGE. 88 Days. A good keeper of fine quality for winter stock feeding.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95

C-52 SELECT DANVERS. (Red Core). 75 Days. A half-long type, blunt point. Greater yield than any other.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 70c;  $\frac{1}{4}$  lb., \$1.95



C-66 CAULIFLOWER IDEAL. Pkt., 50c

## Early Cauliflower

HOME gardeners will find cauliflower not difficult where conditions are right. When plants are set out in late June or early July to mature in October, there is seldom any question of getting fine, large heads. Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

C-67 EARLY PURPLE HEAD CAULIFLOWER.

80 Days. A very large heading purple colored cauliflower that turns green when cooked. It resembles broccoli in flavor but is even more delicious. It is perfect for quick freezing. Very easy to grow and from plants set out in June will begin to head in September. Many people who do not care for ordinary cauliflower class this variety as one of their favorite vegetables.

It is not necessary to tie the plant leaves up as the heads are not bleached. See novelty page.

Pkt., 25c;  $\frac{1}{2}$  oz., 95c;  $\frac{1}{2}$  oz., \$1.80; oz., \$3.00

C-66 IDEAL. 65 Days. All American winner 1949. An excellent Swiss bred variety that appears adapted to almost any section. This variety possesses great vigor and is very sure to head.

Pkt., 50c;  $\frac{1}{2}$  oz., \$1.50;  $\frac{1}{2}$  oz., \$2.85

C-65 VAUGHAN'S SELECT SNOWBALL. 55 Days. Improved strain of our New Snowball, early, dwarf, compact, producing solid white heads which measure 9 to 10 inches across and have a perfectly white core. Its heads are more uniform in size, and there are more leaves for protection in bleaching.

Pkt., 40c;  $\frac{1}{2}$  oz., \$1.25;  $\frac{1}{2}$  oz., \$2.25

C-64 VAUGHAN'S NEW SNOWBALL. 60 Days. A well grown head measures 9 to 10 inches across, with depth in proportion, and a perfectly white core. Dwarf and compact in growth, though taller and slightly heavier header than Select.

Pkt., 30c;  $\frac{1}{2}$  oz., \$1.15;  $\frac{1}{2}$  oz., \$1.95

C-61 AUTUMN GIANT. 80 Days. A large heading late fall sort not recommended for northern districts.

Pkt., 25c;  $\frac{1}{2}$  oz., 50c;  $\frac{1}{2}$  oz., \$1.00; oz., \$2.00



EASY BLANCHING FULL HEART. Pkt., 20c

## Green Celery Best for Vitamins

### YELLOW

C-75 GOLDEN DETROIT. 90 Days. The plants are heavy, compact and full hearted. This is a pure line selection of the Dwarf Golden Self-Blanching type which accentuates the good points of that variety.

Pkt., 20c;  $\frac{1}{2}$  oz., 65c; oz., \$1.00

C-79 MICHIGAN GOLDEN. 100 Days. Developed at Michigan State Agricultural College, resistance to "Fusarium Yellow" bred from the tall strain of Golden Self-Blanching.

Pkt., 35c;  $\frac{1}{2}$  oz., \$1.25; oz., \$2.35

GOLDEN SELF BLANCHING. 115 Days. A dwarf bunches with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have introduced a re-selected strain earlier and stronger growing than the older type.

C-78 TALL STRAIN.

Pkt., 20c;  $\frac{1}{2}$  oz., 85c; oz., \$1.50

C-77 DWARF STRAIN.

Pkt., 20c;  $\frac{1}{2}$  oz., 85c; oz., \$1.50

C-76 GOLDEN PLUME. A selection from or a cross with the Golden Self-Blanching, it is more vigorous and withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality.

Pkt., 20c;  $\frac{1}{2}$  oz., 85c; oz., \$1.50



C-108. HYBRID SWEET CORN GOLDEN CROSS BANTAM,  
Pkt., 20c; 1/2 lb., 55c; lb., 95c.

## Newest Sweet Corn Hybrids

**H**YBRID sweet corn excels in three ways: Heavier yield, more even maturity, and resistance to Stewart's disease, and other troubles. Any open pollinated corn will mature unevenly and give edible ears from one planting over a longer period, which some may prefer. Our list has been revised to offer the best of both hybrid and open pollinated types, as proved in our trials.

**A packet plants 40 hills; a pound, 400 hills; 12 lbs., an acre.**

**Sow two weeks before frost proof date, seeds two inches deep, three inches apart; to be thinned out to six inches; or six seeds to a hill, 2 to 3 feet apart according to variety's height, thinning to three plants per hill. Time succession sowings, two weeks apart.**

### HYBRID RESISTANT

**C-101 BOQUET.** 75 Days. **VA**n exceptionally sweet hybrid. New for 1953. See novelty page 6. Pkt., 25c; 1/2 lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00

**C-111 IOCHIEF.** 83 Days. All America winner 1951. An outstanding new sweet corn introduction. A fine home garden late variety that is suited to freezing or canning. Pkt., 20c; 1/2 lb., 55c; lb., \$1.00; 2 lbs., \$1.90; 5 lbs., \$4.50

**C-108 GOLDEN CROSS BANTAM.** 75 Days. **VA**lue equivalent in both season and quality to Golden Bantam, this continues to be the favorite hybrid variety among home gardeners. It excels in sweetness and tenderness, with a larger ear and more vigorous growth than Golden Bantam. The ear measures 7 1/2 to 8 inches and has 12 to 14 rows of kernels. Pkt., 20c; 1/2 lb., 55c; lb., 95c; 2 lbs., \$1.80; 5 lbs., \$4.25

**C-118 GOLDEN HARVEST.** 82 Days. **VA**new variety similar to Golden Cross with the improved white inner silk. Pkt., 25c; 1/2 lb., 60c; lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00

**C-122 SURPRISE.** (Improved Spencross). 64 Days. 10 to 12 rows, golden yellow, ears 6 to 6 1/2 inches. Stalks 5 to 6 inches tall and bear the ears 12 inches from the ground. This is the first early corn of good quality to mature. Pkt., 15c; 1/2 lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00

**C-127 GOLDEN ROCKET.** 65 Days. A fine very early sweet corn. Eight inch ears with 12 rows of kernels that are borne on 6 ft. stalks. Pkt., 15c; 1/2 lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00

**C-119 OUR CHOICE.** 68 Days. **VA**This variety has been our most popular early for several years and has a flavor of the highest quality. It is heavy yielding, with a good size 10-14 row ear, and completely resistant. Pkt., 15c; 1/2 lb., 50c; lb., 90c; 2 lbs., \$1.70; 5 lbs., \$4.00

## FOR HARVEST ALL SUMMER SOW

### OUR NEW HYBRID SWEET CORN TEAM

**F**OR 1954 we have selected two new hybrids for inclusion in the team. Both Boquet and Golden Security are outstanding for quality in their respective seasons.

Our hybrid sweet corn team consists of Our Choice, 68 days, Boquet, 75 days, Golden Cross, 79 days, Golden Security 85 days. Plant all four at the same time to insure an all season harvest. 2 oz. of each variety in separate packets totaling 1/2 lb. .... 65c (Value 85c).

### POP CORN

**C-135 ILLINOIS HULLESS.** 100 Days. **VA**The finest quality pop corn available. The kernels pop to over 35 times their original size and are a snowy white color completely without hulls.

**SEED PROCESSED FOR SEEDING.** Pkt., 25c 1/2 lb., 50c; lb., 90c; 2 lbs., \$1.65; 5 lbs., \$4.25

**SEED PROCESSED FOR POPPING.** 1/2 lb., 40c; lb., 65c; 2 lbs., \$1.15; 5 lbs., \$2.85

**C-138 SOUTH AMERICAN.** 110 Days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50

**C-139 SOUTH AMERICAN HYBRID.** Pkt., 25c; 1/2 lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.25

**C-141 WHITE RICE.** Pkt., 15c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50

**C-136 JAPANESE HULLESS.** Pkt., 15c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.50

**C-137 JAPANESE HULLESS HYBRID.** Pkt., 25c; 1/2 lb., 65c; lb., \$1.20; 2 lbs., \$2.20; 5 lbs., \$5.25

**C-114 IMPROVED GOLDEN BANTAM.** 85 Days. 10 to 14-row Golden Bantam, larger, yet equal in quality to the regular 8-row type. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

**C-107 GOLDEN BANTAM.** **VA**83 Days. The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour has never been excelled. To maintain this supreme quality, however, requires constant vigilance. We offer the finest obtainable. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

**C-105 EARLY GOLDEN SWEET.** Matures in about 68 Days. A Golden Bantam type that comes 12 days earlier than Golden Bantam. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

**C-124 BANTAM EVERGREEN.** 90 Days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

**C-112 GOLDEN 60 DAY.** 68 Days. It is bred from 60-Day White crossed with Golden Bantam. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

**C-123 BLACK MEXICAN.** 85 Days. Selected for high sugar qualities. Ears 8 rowed, 8 inches long. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

### NON-HYBRID WHITE

**C-113 HOWLING MOB.** 83 Days. A large-eared fine second early. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

**C-104 EARLY EVERGREEN.** 94 Days. It is earlier than Stowell's Evergreen bred for northern localities. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

**C-102 COUNTRY GENTLEMAN.** About 95 Days. Kernels crowded together on the cob. Deliciously tender and sweet. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

**C-120 STOWELL'S EVERGREEN.** 95 Days. The standard main crop variety. The stalks grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50

**AMERICA'S GARDEN BOOK.** By Louise Bush-Brown and James Bush-Brown. In this new, entirely revised edition, "America's foremost garden book" has been brought completely up-to-date.

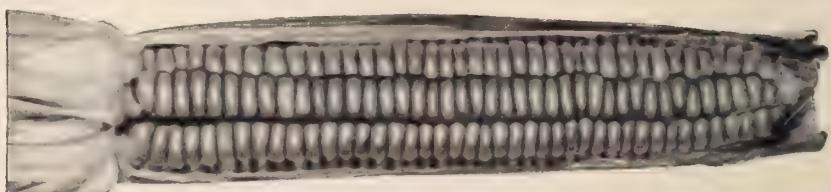
The significant advances in horticultural practices, particularly in soil management, in the control of pests and diseases, and in the elimination of weeds and other undesirables are all included, as well as recommendations of the many notable new varieties of plants that have been introduced.

Illustrated with more than 160 photographs, sketches, diagrams and maps. 1242 pages. Priced at \$4.65 Postpaid

## Non-Hybrid

**C-126 CREAM-O-GOLD.** 85 Days. **VA**The ears are a delicious creamy yellow, 8 to 9 inches long and set with 8 or 10 rows of lusciously sweet kernels. Cream-O-Gold has unexcelled table quality and is ideally suited to quick freezing. The cob is not much thicker than a lead pencil so that the kernels are extra deep. Pkt., 35c; 2 pks., 65c; 1/2 lb., \$1.00; lb., \$1.85

**C-106 EXTRA EARLY GOLDEN BANTAM.** 78 Days. An 8-row Golden Bantam that matures about a week earlier than our standard strain. Pkt., 15c; 1/2 lb., 35c; lb., 60c; 2 lbs., \$1.10; 5 lbs., \$2.50



### MIDGET CORN FOR SMALL GARDENS

**C-125 GOLDEN MIDGET HYBRID.** 68 Days. **VA**new F1 hybrid, sweet corn for the small home garden. Pkt., 50c

**C-110 GOLDEN MIDGET.** 70 Days. On stalks 2 to 3 ft. tall this dwarf sweet corn bears ears which are unsurpassed for flavor. Pkt., (2 oz.), 35c

# Home Garden Cucumbers



C-170 CUCUMBER MANDARIN. Pkt., 25c

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

**Sow in hills three to six feet apart; six seeds 1 1/2 inches deep to a hill, thinned three plants. Protect small plants from beetles. Water when needed, and keep vines picked clean.**

C-174 THE VAUGHAN HYBRID. 65 Days. **VA** mosaic resistant long dark green and slender cucumber. Ideal for market or home. See Novelty page 6. Pkt., 25c (30 seeds); 1/2 oz., \$2.75; oz., \$5.00

C-171 MARKETER. 65 Days. **VA** a variety of recent introduction producing very dark green, cylindrical fruits which taper slightly at ends. Fruits are about 8 inches long and 2 1/4 inches in diameter. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-170 MANDARIN. 45 Days. **VA** Earliest of all. One of the best cucumbers for the home garden. Has proved to be resistant to the blight, due to its Chinese ancestry. By letting the vines climb a trellis or fence, it bears for a long season; two plantings 20 days apart, will furnish the table with salad cucumbers all summer. Pkt., 25c; oz., \$1.00; 1/4 lb., \$3.00

C-160 A & C (Colorado). 68 Days. A beautifully long, slender, dark green cucumber of excellent shape and intense dark color. Fruit is inclined to taper, especially at stem end. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-162 DAVIS PERFECT. 65 Days. Fine length, slim, dark green and crisp. The best blight resister of long sorts. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-180 THE VAUGHAN. 74 Days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long, White Spine varieties, it is much darker in color, more uniform in shape and size, thinner and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-179 STRAIGHT EIGHT. 62 Days. A white spine which produces a high percentage of fruits perfectly straight and 8 or more inches long. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-172 MINCU. 45 Days. Its fruits averaging 4 1/2 inches long by 2 inches in diameter are suitable both for salad slicing and pickling. It bears from 8 to 10 fruits within a foot of the hill. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-168 IMPROVED LONG GREEN. 68 Days. Used for yellow chunk pickles. The fruit (12 in. long) has a distinctive flavor. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-181 ARLINGTON WHITE SPINE. 62 Days. A heavy yielder, symmetrical, straight, 7 to 10 inches long. A great favorite in the south. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25



## PICKLING CUCUMBERS

C-166 QUICK GROW. 50 Days. An outstanding introduction of ours that matures about a week earlier than Chicago Westerfield. It will usually mature before the early blight appears and often times will yield a good crop when the later dry weather has cut the yield of the later varieties. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-183 CHICAGO WESTERFIELD. 58 Days. **VA** Since we first introduced this pickle years ago, it has been a distinguished success. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-173 NATIONAL. 54 Days. The type is shorter than the Chicago Pickle and the fruit being smaller, blight does not sap the strength of the vine. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-165 BOSTON PICKLING. (Green Prolific). 58 Days. Smooth, symmetrical pickle, very early and productive. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-169 JAPANESE CLIMBING. 68 Days. This is quite resistant to disease and insects. It is good quality and of dark green. Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

C-164 YORK STATE. 58 Days. **VA** A new mosaic resistant pickle bred by Dr. H. Munger of Cornell University. Pkt., 25c; oz., 65c; 1/4 lb., \$2.00

C-182 WISCONSIN No. 6. 54 days. A new National type of pickle with resistance to spot rot. A great boon to growers in Wisconsin, Michigan and Illinois. Pkt., 25c; oz., \$1.00; 1/4 lb., \$3.00.



HAND-POLLINATING EGG PLANT IN JAPAN

## Egg Plant

Egg Plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows 3 feet apart, the plants 2 feet apart.

E-12 VAUGHAN'S HYBRID. 85 Days. **VA** true hybrid introduced by us in 1951, which has met with great success. This variety produces a tremendous crop of very large fruits. The fruit are extremely dark. Pkt., 35c.



BLACK BEAUTY

E-10 BLACK BEAUTY. 80 Days. Favorite variety in northern gardens, this excels in quality, size and appearance. Its huge fruits are almost black, are highly decorative in exhibition baskets and collections. Pkt., 15c; 1/2 oz., 45c; oz., 85c; 1/4 lb., \$2.65

E-13 IMPROVED NEW YORK PURPLE. 83 Days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are large, satiny smooth, rich purple. Pkt., 15c; 1/2 oz., 45c; oz., 85c; 1/4 lb., \$2.65

E-11 FLORIDA HIGH BUSH. 85 Days. Plants are well branched, hardy, and disease resistant. Pkt., 15c; 1/2 oz., 45c; oz., 85c; 1/4 lb., \$2.65

## Cardoon

C-41 The main stalks are blanched like celery; used for salad or in soups. Pkt., 15c; 1/2 oz., 65c; oz., \$1.25; 1/4 lb., \$3.50

## Chicory

C-97 WITLOOF (French Endive). 150 Days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Pkt., 15c; 1/2 oz., 40c; oz., 65c

C-96 LARGE ROOTED MAGDEBURG. 65 Days. Roots may be cut in thick slices, roasted and used as a coffee substitute; in spring leaves make good salad. Pkt., 15c; 1/2 oz., 40c; oz., 65c

C-95 ASPARAGUS CHICORY. 55 Days. Cultivated for its fresh green shoots, which are boiled in salt water and served hot or in cold salad. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 15c; 1/2 oz., 40c; oz., 65c



E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. Pkt., 15c; oz., 35c; 1/4 lb., 80c

E-1 BROAD LEAVED BATAVIAN WHITE ESCAROLE. (Florida Full Heart). 90 Days. Of the straight smooth leaf Batavian type, this variety has the largest number of heart leaves and the finest salad quality of any we have tried. It grows upright, resists drought. Pkt., 15c; oz., 35c; 1/4 lb., 80c

E-5 GREEN CURLED. 90 Days. Standard variety for fall and winter. When centers are blanched, it is most beautiful. Pkt., 15c; oz., 35c; 1/4 lb., 80c

E-6 MOSS CURLED. Pkt., 15c; oz., 35c; 1/4 lb., 80c

E-7 ROSE RIBBED CURLED. In 95 Days. Has leaf ribs of red. Pkt., 15c; oz., 35c; 1/4 lb., 80c

## Chervil

C-93 CHERVIL. 70 Days. Similar to parsley, but of more delicate texture. Leaves bright rich green; finely divided and curled; pungent, aromatic; used for garnishing and flavoring. Pkt., 15c; oz., 30c; 1/4 lb., 75c

## THE BOOK OF PERENNIALS

By Alfred C. Hottes. Contents: The Perennial Gardens; The Perennial Border; Garden Operations; Insects and Diseases; Propagation; For Shady Places; The Lists of Twenty-fives; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herb Index of Plant Names; Tabular Cultural Index. Over 100 illustrations. 272 pages. Cloth. \$2.75; \$2.90 Postpaid.

L-16 LETTUCE  
GREAT LAKES  
Pkt., 20c.



L-34 SALAD  
BOWL  
Pkt., 25c

# Lettuce for Salads All Summer

**SOW** as soon as soil can be prepared,  $\frac{1}{2}$  inch drill, 5 seeds to an inch. Feed well, to make it grow fast. Thin out at first to stand an inch apart; then use alternate plants until leaf varieties stand 8 inches, heading varieties 12 inches apart. Make succession sowings to prolong harvest, omitting the midsummer period.

## LEAF LETTUCE

**L-9 MATCHLESS LETTUCE.** 55 Days. A distinct type that has an open loose head. Matchless has the quality of Bibb and it does not bolt and tolerates heat. It is superior for the home garden. If you have room for only one lettuce be sure that it is Matchless. See Novelty page 6.  
Pkt., 25c; oz., \$1.00;  $\frac{1}{4}$  lb. \$3.00

**L-34 SALAD BOWL.** 45 Days. Gold Medal Winner. All American 1952. A good quality new home garden lettuce.  
Pkt., 25c;  $\frac{1}{2}$  oz., 55c; oz., \$1.00

**L-28 OAK LEAF.** 40 Days. Since we revived this excellent old variety, it has become the most popular leaf lettuce for home gardens from coast to coast. The rich dark green of its leaves, its tenderness and resistance to hot weather, are all outstanding. We consider it best of the leaf type for home gardens.  
Pkt., 20c;  $\frac{1}{2}$  oz., 40c; oz., 70c

**L-7 BRONZE BEAUTY.** 40 Days. Bronze medal 1946. All American trials. This may be described as Oak Leaf with a bronze tinge in its leaves; a characteristic which is accompanied by superior resistance to hot weather. As early as Oak Leaf, and equally tender, with a delightful nutty flavor, it grows in a loose head. Its leaves of Oak Leaf shape, bleach to cream in the heat, and the soft green of the tips is suffused with ruddy bronze.  
Pkt., 25c

**L-5 BLACK SEEDED SIMPSON.** Matures in about 46 Days. Its large rich green leaves are thin, tender, and crisp, forming a loose head. It is one of the most vigorous varieties in hot weather and slow to run to seed. It is especially adapted to the home garden.  
Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.15

**L-15 GRAND RAPIDS.** 45 Days. This home garden favorite, also extensively planted for hotbed or greenhouse growing. The leaves are light green, daintily curled, tender, crisp, delicious. Our selected stock has been bred to a high degree of uniformity in type and season.  
Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.15

**L-14 GRAND RAPIDS RESISTANT.** Has a tendency to form heads when grown outdoors. Leaves more savoyed than the regular Grand Rapids.  
Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.40

**L-11 EARLY CURLLED SIMPSON.** (White Seeded Simpson). Very hardy and dependable; particularly popular for home gardens.  
Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.15

**L-30 PRIZEHEAD.** 47 Days. Very early, quick growing and popular for home gardens, plant medium large, strictly loose leaf, outside leaves tinged red, inner leaves wholly green.  
Pkt., 15c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

## HEAD LETTUCE

**L-6 BIBB (LIMESTONE).** 57 Days. A small headed lettuce of excellent quality, popular in the middle south for many years. Leaves smooth, dark green, a favorite with chefs of luxury hotels.  
Pkt., 20c;  $\frac{1}{2}$  oz., 30c; oz., 50c

**L-18 ICEBERG.** 84 Days. This makes a small head which is the tightest of any variety we know, and it resists hot weather well. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg.  
Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.20

**L-8 CALIFORNIA CREAM BUTTER.** 75 Days. One of the best summer varieties, large solid heads, buttery flavor.  
Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 85c

**L-10 CRISP AS ICE.** 74 Days. Small dark green head overlaid with dark brown crumpled leaves, does not get bitter in hot weather.  
Pkt., 15c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

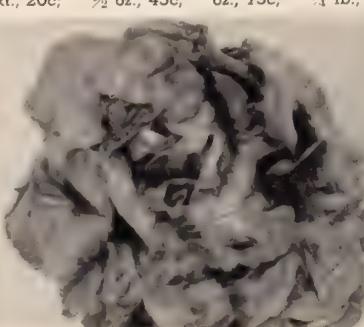
**L-23 MAY KING.** 63 Days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart.  
Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.00

**L-31 BIG BOSTON.** 75 Days. Large heads of bright green leaves, very tender.  
Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

## CALIFORNIA TYPE

**L-32 PENNLAKES.** 75 Days. An All American winner, 1949. An early heading lettuce that is particularly well adapted to midwestern and east coast growing.  
Pkt., 20c;  $\frac{1}{2}$  oz., 45c; oz., 75c;  $\frac{1}{4}$  lb., \$2.25

**L-16 GREAT LAKES.** 75 Days. Plant large and vigorous and of good size and attractive color, is resistant to tip burn and stands up well under hot weather. The leading variety for midwestern growing.  
Pkt., 20c;  $\frac{1}{2}$  oz., 45c; oz., 75c;  $\frac{1}{4}$  lb., \$2.25



L-6 LETTUCE BIBB. Pkt., 20c.

## CALIFORNIA TYPE—Continued

**L-20 IMPERIAL No. 456.** 80 Days. Developed by Cornell Experiment Station as a variety suitable for those who wish to grow head lettuce in July and August.  
Pkt., 20c;  $\frac{1}{2}$  oz., 45c; oz., 75c;  $\frac{1}{4}$  lb., \$2.25

**L-19 IMPERIAL No. 44.** 82 Days. The latest introduction in blight resistant types. Heads a little earlier than 847 and is a little more curled.  
Pkt., 15c;  $\frac{1}{2}$  oz., 30c; oz., 55c;  $\frac{1}{4}$  lb., \$1.45

## ROMAINE OR COS LETTUCE

This type of lettuce forms upright loose folding heads, and the inner leaves bleach white. Esteemed the finest in flavor.

**L-12 EXPRESS COS.** In 70 Days. A Vaughan introduction. The most dwarf and earliest of all, leaves dark green. Delicious flavor. Self-closing.  
Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.00

**L-29 PARIS WHITE OR TRIANON.** In 75 Days. Grows to large size. Self-closing.  
Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.00

## FAST GROWING for POULTRY

**L-25 CHICKEN LETTUCE.** About 48 Days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again.  
Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.00

## Other Salad Leaves

**C-155 WATER CRESS (TRUE WATER).** A distinct variety with small oval leaves. It thrives best when roots and stems are submerged in water.  
Pkt., 25c

**C-154 UPLAND CRESS.** 50 Days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad.  
Pkt., 15c;  $\frac{1}{2}$  oz., 25c; oz., 45c;  $\frac{1}{4}$  lb., \$1.15

**C-153 CURLLED GARDEN CRESS.** 50 Days. Used with lettuce it adds an agreeable pungency.  
Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.15

**C-151 CORN SALAD.** 45 Days. (*Fetticus* or *Lamb's Lettuce*). A most refreshing salad, hardy, much used in winter in place of lettuce. Sow either in spring or fall.  
Pkt., 15c; oz., 75c;  $\frac{1}{4}$  lb., \$1.75

## Dandelion

**D-1 THICK LEAF OR CABBAGE VARIETY.** Cultivated for spring greens and salads. Unlike common sorts, almost double usual size.  
Pkt., 15c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.75

## Finnochio

**H-22 FENNEL FLORENCE.** Similar to celery, but forming an oval bulb-like enlargement at the base of the stem, which has a pleasing Anise-like flavor, often used in fish sauces.  
Pkt., 15c;  $\frac{1}{2}$  oz., 45c; oz., 85c

# Fast Growing Home Garden Melons

IN NO other crop does quality respond more quickly to careful breeding. Our special strains are selected for size, color, flavor and thick flesh.

Since even light frosts kill melon plants, and seeds do not germinate well until the ground is warm, only early varieties succeed in the northern states. Seeds may be sown in pieces of turf, or in pots, and started in a hot-bed or cold frame to get earlier fruits, but must be transplanted to the garden without disturbing their roots.

Remember, muskmelons must ripen on the vine. Except the Honey Dew, they do not improve after picking.

Quantity needed for 20 hills, 1 pkt.; 100 hills, 1 oz.

**GROW IN LIGHT SOIL, IN FULL SUN, WHERE PLANTS CAN BE WATERED. SOW IN HILLS, FIVE OR SIX FEET APART EACH WAY, SIX SEEDS 1 1/2 INCHES DEEP TO A HILL, THINNING OUT TO 3 PLANTS.**

## Orange Fleshed Varieties

**M-17 PRIDE OF WISCONSIN.** 85 days. Similar in size and shape to Honey Rock. Oval in shape with tough, heavily netted rind and flesh deep orange and very thick, sweet and of excellent quality.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35

**M-15 MILWAUKEE MARKET.** 80 Days. **▀** Large, averaging 8 inches in diameter, with a small seed cavity and thick salmon flesh, this has the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping. Its original quality has been increased by breeding from hand-cut, inspected melons.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35

**M-12 HONEY ROCK** (or Sugar Rock). 85 Days. A wonderfully sweet melon with thick orange flesh and a distinctive flavor suggesting the Honey Dew taste. It produces heavily and is one of the earliest quality varieties. Oval fruits of medium shape, an excellent home garden variety.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35

**M-6 BENDER'S SURPRISE.** (Delicious) 85 Days. Large thick fleshed, heavily netted. Its flavor is wonderfully sweet, with almost no stringiness. Grows well in heavy soils.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35

**M-14 IROQUOIS.** 90 Days. **▀** Developed by Cornell University with definite resistance to Fusarium wilt. Fruits are round to oval, about 6 1/2 inches in diameter with permanent ribs and good netting. The rind is tough and holds up well. Flesh is deep orange color, of fine texture and excellent quality. Skin creamy green at maturity.

Pkt., 25c; oz., 55c; 1/4 lb., \$1.55

**M-19 SCHOON'S HARDBECK.** (New Yorker). 95 Days. A high quality melon with an extra hard shell which makes it fine for shipping. This is the type grown by most of the market gardeners in the Chicago area.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35

**M-5 BANANA.** 98 Days. Cucumber shape. Delicious flavor. A novelty melon for the home garden.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35

**M-21 TIP TOP.** 96 Days. It is yellow-fleshed, sweet, juicy; of finest flavor. A strong grower and yielder.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35

**M-10 HEARTS OF GOLD.** 80 Days. For the home garden with heavy soil, this is a most delicious variety. It has a flavor all its own, and never surpassed. In size it is just right, 5 to 6 inches in diameter, almost a sphere, with small seed cavity, well netted with shallow sutures.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35

## Green Fleshed Varieties

**M-18 ROCKY FORD OR NETTED GEM.** 95 Days. Flesh thick green, sweet, juicy and of good flavor. Fruits small, oval and show no ribbing, but covered with uniform netting.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35

**M-11 HONEY DEW.** 110 Days. Grown extensively in the warmer melon growing sections for local markets and distant shipping. Fruits broad and oval. Nearly white becoming creamy yellow; smooth with occasional net. Flesh thick, pale emerald green, sweet, juicy with honey like flavor. Stores well.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.35



HYBRID DIXIE QUEEN. Pkt., 25c.

## Watermelons That Ripen Early

**WATERMELONS** may be grown under favorable conditions in the north though they require a long season to mature and cannot be planted until the ground is warm. Soil such as will mature good muskmelons is needed, with plenty of hot weather, no lack of water, and rich feeding.

Quantity needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.

**M-44 RHODE ISLAND RED.** 79 Days. A delicious new ice box type of watermelon developed by Dr. Desmond Dolan of the Rhode Island Experiment Station for more northern areas. Extra sweetness, real watermelon flavor, earliness and ideal size are virtues of this cross between Dixie Queen and Honey Cream. See Novelty page 7.

Pkt., 35c; 1/2 oz., 50c; oz., 85c; 1/4 lb., \$2.20



WATERMELON NEW HAMPSHIRE MIDGET  
Pkt., 25c

**M-48 NEW HAMPSHIRE MIDGET.** 75 Days. **▀** A small very early home garden All America 1950 winner.

Pkt., 25c; oz., 60c; 1/4 lb., \$1.75

**M-50 CONGO WATERMELON.** 90 Days. **▀** A new large anthracnose resistant melon. Congo seems destined to replace the Florida Giant as the top variety for shipping. This green striped melon has a bright red flesh that is exceptionally sweet.

Pkt., 15c; oz., 60c; 1/4 lb., \$1.75

**M-40 HYBRID DIXIE QUEEN.** 82 Days. Similar to regular Dixie Queen only a true F1 hybrid. The fruit are unusually sweet.

Pkt., 25c



WILT RESISTANT MELON, IROQUOIS.  
Pkt., 25c

**M-55 WATERMELON, JAPANESE SEEDLESS.** 90 Days. **▀** CROP FAILURE.

**M-39 DIXIE QUEEN.** 85 Days. A fine medium early home garden melon of excellent quality. Fruits nearly round, light green striped with darker green. Rind thin but tough, flesh a deep red, crisp and sweet. The seeds are white.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-49 STONE MOUNTAIN RESISTANT NO. 5.** 85 Days. A recently introduced wilt resistant melon of outstanding merit for home and market garden; fruits very large; broad, oval, almost round with blocky ends; dark green with indistinct veins; flesh bright red, crisp and sweet.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-38 COLE'S EARLY.** (Harris Earliest). 80 Days. The best extremely early variety; very popular in northern sections, fruits medium size; dark green stripes alternated with lighter; flesh bright red of good quality, seeds blackish.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-47 EARLY KANSAS OR RED RUSSIAN.** 85 Days. A distinctly early melon of large size and excellent quality. Fruits nearly round, a deep emerald green.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-41 FLORIDA GIANT** (Black Diamond or Cannonball). 95 Days. Fruits very large, dark green, nearly round, flesh bright red, crisp and sweet. This is the most popular southern variety.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-51 TOM WATSON.** 92 Days. Fruits very large, oblong, cylindrical, symmetrical, flesh deep red, and sweet.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-43 ICE BOX.** 78 Days. **▀** It is desirable to have a melon that will go in the ice box without having to be cut. This round melon is about six inches in diameter, is early, hardy and of excellent flavor.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-45 WILT RESISTANT KLECKLEY'S NO. 6.** 85 Days. Large, dark green, oblong fruits often 22 inches long, flesh rich red, sweet and fine texture.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-53 WINTER WATERMELON.** 85 Days. Like Honey Dew in size and long-keeping qualities. Excellent flavor.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-46 KLONDIKE RESISTANT NO. 7.** 90 Days. Exterior color dark green, flesh very dark pink.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-35 BLACK LEE.** 90 Days. A new Wilt Resistant variety of vigorous growth, medium size, weight about 35 lbs., with a thin tough, dark, rich green rind.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-42 GOLDEN HONEY.** 90 Days. Best yellow fleshed melon. Oblong, brown seed, flesh a sparkling gold, attractive and delicious. Rind dark green.

Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**CITRON.** 92 Days. For Preserves.

**M-37 RED SEEDED.** Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

**M-36 GREEN SEEDED.** Pkt., 15c; oz., 45c; 1/4 lb., \$1.25

## THE COMPLETE BOOK OF AFRICAN VIOLETS

By Helen Van Pelt Wilson. A brand new book with latest directions on how to make your violets bloom. How to water, feed and start new plants, check pests and disease, win show awards. 653 names and synonyms. 29 varieties in color. 256 pages. \$2.95. Postpaid \$3.10.

# Garden Herbs



SWEET MARJORAM. Pkt., 20c.

**H-20 MIXTURE OF ANNUAL HERB SEEDS.** PKT., 35c. This is intended to meet the needs of those who want to grow a row or bed of herbs without sowing a full packet of each variety. It will contain all available varieties of useful annual herbs. Sow in a nursery row, or seed box and transplant to a row or border in the garden.

**H-21 MIXTURE OF PERENNIAL HERB SEEDS.** PKT., 35c. For small gardens this will give enough plants of assorted varieties to supply the family needs, without the expense of purchasing a packet each. Sow in a nursery row and transplant in the fall to a permanent location.

**H-1 ANISE.** Used for garnishing, seasoning and for cordials. Pkt., 20c;  $\frac{1}{2}$  oz., 60c; oz., \$1.10

**H-17 BASIL, SWEET, LARGE LEAVED.** The leaves are used for flavoring soups and stews. The flavor of the leaves is spicy and it is desirable for salads and dishes containing tomato and cheese, egg plant, squash, carrots, peas, meat and especially for meat substitutes, including beans and fish. Pkt., 20c;  $\frac{1}{2}$  oz., 60c; oz., \$1.10

**H-3 BORAGE.** Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 20c;  $\frac{1}{2}$  oz., 65c; oz., \$1.20

**H-4 CARAWAY.** Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 70c

**H-5 CATNIP.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 20c;  $\frac{1}{2}$  oz., 70c; oz., \$1.35

**H-7 CORIANDER.** The seeds are used for flavoring. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 95c

**H-8 DILL.** Leaves are used in pickles and for flavoring soups and sauces, and to be sprinkled over meats. Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 90c

**H-12 LAVENDER VERA OR TRUE.** The best. Pkt., 25c;  $\frac{1}{2}$  oz., \$1.50; oz., \$2.75

**H-13 ROSEMARY.** The fragrant leaves are used in sachets and pot pourris, also to flavor roasts and stews. Pkt., 20c;  $\frac{1}{2}$  oz., 70c

**H-14 SAFFRON (false).** Used for coloring dishes, also flavoring. Pkt., 20c;  $\frac{1}{2}$  oz., 60c; oz., \$1.10

**H-16 SUMMER SAVORY.** The leaves and young shoots are used for flavoring. Much used as a flavoring for beans, and in salads, vegetables, stews and other dishes. Pkt., 20c;  $\frac{1}{2}$  oz., 50c; oz., 90c

**H-15 SAGE.** A strongly flavored old-time favorite used in pork sausage and poultry seasoning. English Broad Leaf. Pkt., 20c;  $\frac{1}{2}$  oz., 70c; oz., \$1.35

**H-9 SWEET FENNEL.** The leaves boiled are used in fish sauces and are excellent for garnishing. The seeds are used for flavoring. It is said Fennel is to fish what Mint is to lamb. Pkt., 20c;  $\frac{1}{2}$  oz., 50c; oz., 90c

**H-18 SWEET MARJORAM.** Tender perennial best treated as an annual. A favorite for flavoring soups, stews, salads, and meat dishes and sausages. Pkt., 20c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.90

**H-19 THYME.** Used for seasoning meats, poultry, fish, cheese, eggs, soups, vegetables, stuffings and salads. A tea is also made for nervous headache. Pkt., 25c;  $\frac{1}{4}$  oz., 60c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.85

## Garden Huckleberry

**G-1** Well described by the above name, this bears racemes or bunches of dark berries,  $\frac{1}{2}$  inch in diameter, which makes preserves. The bushes are about 3 feet tall. Cultivation is the same as with the tomato, of which this plant is a distant cousin. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

# Storage Onions Are Best Grown from Seed

**SOW** with the earliest crops, in rich soil, in drills  $\frac{1}{2}$  inch deep. Thin to 4 inches apart, using discards in green stage. Water when needed. Harvest after tops shrivel and dry in the sun, store in a dry place.

Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., 1 oz.; acre, 6 lbs.

### WINTER KEEPERS

**O-24 AUTUMN SPICE HYBRID.** 105 Days. **VA** new hybrid in 1952. An excellent keeper, Southport type onion with a beautiful dark skin. This variety will outyield the standard Southport types and matures earlier. The bulbs are extra hard and the flesh is pungent and a creamy white. Pkt., 35c;  $\frac{1}{2}$  oz., 85c; oz., \$1.50;  $\frac{1}{4}$  lb., \$4.25.

**O-10 GOLDEN GLOBE.** 115 Days. An exceptionally fine yellow globe onion of superior weight, popular for growing globe-shaped sets of excellent keeping quality; very productive. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-19 SOUTHPORT YELLOW GLOBE, BALL TYPE.** 110 Days. Superior for muck soil, a fine keeper that is preferred by large onion growers. Pkt., 15c;  $\frac{1}{2}$  oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-18 SOUTHPORT RED GLOBE.** About 110 Days. A perfect globe shape, deep red skin and tinted white, one of the best winter keepers. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-13 "MOUNTAIN" DANVERS.** 100 Days. Slightly smaller than Southport. When aphis damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-14 LARGE RED WETHERSFIELD.** About 100 Days. Bulbs 2 to  $2\frac{1}{2}$  inches thick, flat, deep red, flesh pinkish white and firm, used extensively for growing sets. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-9 FANCY YELLOW GLOBE DANVERS.** About 110 Days. Medium large, globe shaped, yellow with white flesh, firm and hard, good keeper. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-6 BRIGHAM YELLOW, GLOBE.** 110 Days. A Southport Yellow Globe strain that is popular because of its excellent keeping and productive quality. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-20 SOUTHPORT WHITE GLOBE.** About 110 Days. A strikingly handsome onion; early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

### FOR GREEN ONIONS

**O-23 WHITE LISBON (Bunch Onion).** The best green Bunch Onions from seed are grown from White Lisbon, producing tender, long, white tops. If killed a little these green and white stalks may be consumed entirely. Does not get tough like the White Welch or Winter top. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-11 HE-SHI-KO.** 50 Days. An early bunch onion, deserving of more popularity, is hardy and may be sown either spring or fall. A fall sowing will produce green onions very early in the spring. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

### Flat and Pickling Type

**O-25 WHITE PORTUGAL OR SILVERSkin.** About 100 Days. This is a splendid sort for growing white onion sets, pickles and for early bunching green onions. A medium size bulb, flat shape, has fine mild flavor, and is best of the white onions for keeping. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-8 EBENEZER.** 100 Days. There is a tremendous demand for this yellow skinned onion for the growing of Onion Sets. Ebenezer is a fine keeper, mild and well flavored. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

### BERMUDA TYPE

**O-7 CRYSTAL WHITE WAX.** In about 90 Days. This is a pure white flat onion, very popular in the south, especially in Texas. Will make only small onions in the north from seed. Very sweet. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00



ONION SOUTHPORT YELLOW GLOBE. Pkt., 15c

### SPANISH TYPE ONIONS

**VALENCIA SWEET SPANISH** (Utah Strain). 110 Days. A sweet, mild giant onion. From seed sown direct in the garden it will produce onions weighing a pound; if started in the hot bed two pound specimens can be grown. It comes in two colors, yellow and white, both alike otherwise.

**O-21 WHITE.** Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-22 YELLOW.** Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**RIVERSIDE SWEET SPANISH.** 110 Days. A California strain. When grown in southern California attains enormous size, 4 to  $4\frac{1}{2}$  pounds.

**O-16 YELLOW.** Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-17 WHITE.** Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00

**O-15 PRIZETAKER.** American Grown. 105 Days. Same type as the large Spanish Onions. Globes large, globular and the skin is thin and a light shade of yellow. Flavor mild.

Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c;  $\frac{1}{4}$  lb., \$2.00



HYBRID SWEET SPANISH ONIONS

Harvested in Chicago area in August

### ONION PLANTS

Vaughan's offer the following types of onion plants for shipment after April 15 to May 20.

**BERMUDA** (for early green onions).

**YELLOW SWEET SPANISH** (for large onions).

Per bunch postpaid 55c; ten bunches, \$4.25

**HYBRID SWEET SPANISH** (for exhibition onions).

See Novelty page 7.

Per bunch, postpaid, 65c; ten bunches, \$5.00

# Onion Sets Grow Quickly



WHITE

RED

YELLOW

VAUGHAN'S BOTTOM ONION SETS

BECAUSE of the long growing season required by all onions grown from seed, most amateur gardeners use onion sets for producing both green onions, and mature bulbs. "Bottom sets," so-called to distinguish them from top sets, produced by some varieties of onions instead of seed, are onion bulbs artificially dwarfed by being sown thickly in rows, and stored over winter to be planted the next spring for a speedier harvest than seed would produce. Succession plantings can be made as long as the sets remain in good condition. For growing mature onions in home gardens we recommend Golden Globe sets.

Use large sets planted 2 in. deep for green onions, smaller 1 in. deep for mature onions; space the first one inch apart, the second 3 to 4 inches. Plant with the earliest crops.

Green onions will be ready in three weeks, mature onions in three months from the planting date. The use of sets thus shortens by many weeks the time it would take to grow either green or mature onions from seed.

Quantity needed for 75 to 100 ft., 1 lb.  
Onion sets prices postpaid

**O-32 WHITE BOTTOMS.** Our sets of these are very choice, small, dry and unsprouted.  
Lb., 50c; 2 lbs., 95c; 5 lbs., \$2.25; 10 lbs., \$4.00

**O-34 YELLOW BOTTOMS.** Fine dry sets, medium in size and unsprouted.  
Lb., 50c; 2 lbs., 95c; 5 lbs., \$2.25; 10 lbs., \$4.00

**O-31 RED BOTTOMS.** Bright, deep red in color, even and dry.  
Lb., 50c; 2 lbs., 95c; 5 lbs., \$2.25; 10 lbs., \$4.00

**O-30 GOLDEN GLOBE.** Large yellow globe. Very desirable as a large dry onion for the home gardener. A superior keeper.  
Lb., 50c; 2 lbs., 95c; 5 lbs., \$2.25; 10 lbs., \$4.00

**O-35 YELLOW MULTIPLIERS.** Especially valuable for the first early spring onions. They are very mild and sweet, and there are usually several stalks from a single bulb.  
Lb., 65c; 2 lbs., \$1.25; 5 lbs., \$3.00; 10 lbs., \$5.50

## Garlic Sets

**G-2 SELECTED BAVARIAN.** In about 110 Days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter, hang in strings in a dry basement.  
Lb., 75c; 10 lbs., \$6.00. Postage extra. Write for latest market prices on quantities.

## Chives

**C-98** A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. Bears attractive flowers of a beautiful lavender.  
Pkt., 15c;  $\frac{1}{2}$  oz., 45c; oz., 85c

## Horseradish Sets

**HORSERADISH.** The roots produce good radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Raise the plant once in the early season, without disturbing the tap root end, and rub off all excess rootlets.  
Doz., \$1.00; 100, \$5.50; 1,000, \$45.00

**PROPAGATION OF PLANTS.** By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages.  
\$4.50; \$4.65 Postpaid



EGYPTIAN PERENNIAL SETS (Top Sets)

## FOR FALL PLANTING

**O-29 EGYPTIAN OR RED PERENNIAL.** For fall planting only. This variety never forms a large bulb; its value lies wholly in its special adaptability to produce green onions for spring or fall use which are perfectly hardy and stay in the ground all the time. We sell sets in fall only, to be planted for early spring crop.  
Postpaid, Lb., 65c;  
2 lbs., \$1.25; 5 lbs., \$3.00; 10 lbs., \$5.50



L-2 LEEK ELEPHANT. Pkt., 15c

## Leeks

**L EEXKS** are better if transplanted. Use a dibber, set the plant deep in the hole and do not fill it up but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 Days.

**L-2 ELEPHANT.** Largest of all leeks.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 65c

**L-4 LARGE MUSSELBURG.** Enormous broad leaves, mild flavor. Good exhibition sort.  
Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 65c

**L-1 BROAD SCOTCH OR LONDON FLAG.** Hardy; a strong plant, with broad leaves.  
Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 65c



P-30 PARSLEY, Champion Moss Curled. Pkt., 15c

## Parsley

**PARSLEY** should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows. Parsley is one of the richest of green vegetables in vitamin A, and iron.

The rooted parsley provides excellent flavoring for soups and stews. Quantity needed to sow 50 ft., 1 pkt., 200 ft., 1 oz.

**P-30 CHAMPION MOSS CURLLED.** In about 70 Days. Robust, compact plants; the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color. It is quite hardy.  
Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

**P-34 EXTRA TRIPLE CURLLED PARSLEY** (Vaughan's XXX). 75 Days. Plant compact, leaves dark green and so finely cut and closely curled as to resemble tufts of moss. Many of our customers plant it as a border.  
Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

**P-33 PLAIN OR ITALIAN.** 72 Days. Not curled. However, the flavor is excellent and plant is very hardy.  
Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

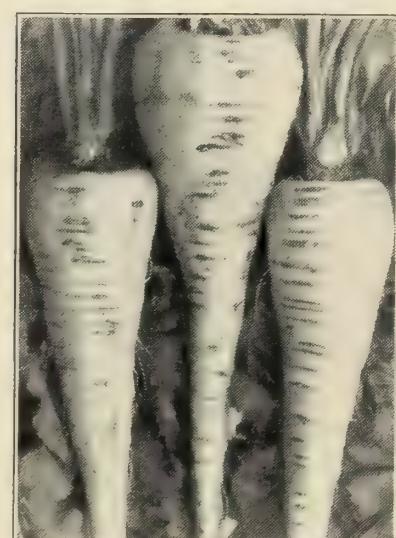
**P-32 HAMBURG ROOTED.** 90 Days. Resembles a small parsnip. Used for flavoring soups. Our strain is exceptional.  
Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

## Parsnips

**PARNIPS** may be harvested at times when the ground has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. Quantity needed to sow 25 ft., 1 pkt., 150 ft., 1 oz.

**P-42 ALL AMERICAN** (Marrowfat). 95 Days. This variety produces roots of uniform good size, fine shape, clean, smooth skin. In flavor it is unequalled. For exhibition it is a winner.  
Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

**P-40 HOLLOW CROWN, LONG SMOOTH.** About 95 Days. Tender and sugary; one of the best.  
Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c



P-40 PARSNIP, HOLLOW CROWN. Pkt., 15c



P-11 LITTLE MARVEL PEA. Pkt., 15c

## Sow Early for Success With Peas

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are selected for these qualities. Quantity needed for 100 ft., 1 lb.

Sow smooth seeded with earliest crops, wrinkled peas two weeks before frost proof date. Sow 2 inches deep, two inches apart in row, or in twin rows, 6 inches apart, with support between. Crop must mature before hot weather.

### DWARF

**P-17 WANDO.** 64 Days. A high quality heat resistant pea that is adapted to fall planting as well as spring. See Novelty page 6.

Pkt., 25c;  $\frac{1}{2}$  lb., 45c; 1 lb., 75c; 2 lbs., \$1.35

**P-11 LITTLE MARVEL.** 64 Days. The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vine 18 inches, pod dark green, well filled. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

**P-7 GIANT STRIDE.** 74 Days. Pea blight is a wilt affecting peas when they are planted too often in the same ground. You will find Giant Stride nearly 100% resistant, as well as of top quality and a heavy yielder. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

**P-12 NOTT'S EXCELSIOR.** In 60 Days. Almost as early as the round seeded varieties, but far superior to them in quality. Vines about 16 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

**P-13 PREMIUM GEM.** 60 Days. An extra early old type garden pea that could well be replaced by Nott's Excelsior or Little Marvel, as they are superior. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

**P-10 LAXTON'S PROGRESS.** 62 Days. The earliest and by far the best of the large-podded, large fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Hundredfold. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

**P-8 HUNDREDFOLD.** About 62 days. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Hundredfold is in season a few days later than the first earlies. It excels in size, appearance and productiveness. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

**P-5 DWARF TELEPHONE OR DAISY.** About 76 Days. A midseason maturing sort of merit; vines are dwarf and bear large, bright green pods, each containing 8 to 10 peas of finest quality. This is a splendid variety, of which we offer a high-class reselected stock. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.



P-14 THOMAS LAXTON. Pkt., 15c.

### S-437 NITRAGIN

#### Inoculate Your Beans and Peas

The roots of legumes, which include peas and beans, are the hosts of bacteria which secrete nitrogen from the air. The nitrogen stimulates the growth of the plant. This process is speeded up by applying a bacterial culture to the seed before planting. Nitragin is the original legume inoculation culture. S-437 Garden Size for beans, peas, sweet peas, lima beans and lupines. Pkt. 15c, 3 for 40c. Each packet treats 6 lbs. of seed.

**S-250 NO SEED HORMONE BLOSSOM SET** Grow earlier, larger, meatier tomatoes. More on each plant. Easy to use Hormone spray. Stops blossom drop. Tomatoes ripen up to three weeks earlier, are larger, firmer; many are seedless. Excellent for strawberries, peppers, cucumbers, etc. 4 oz. bottle makes 1 gallon of spray, price each, 75c postpaid; pint, makes 4 gallons, price each, \$1.75 postpaid.

## Eat Your Own Peas Six Weeks for 40c

IN sections where spring is late, and hot weather arrives soon after, best results with peas are obtained by sowing an early, midseason and late variety all at the same time. We recommend the varieties below for this purpose.

### Sow in Early Spring

**ALASKA**—Earliest

**LITTLE MARVEL**—Dwarf

**THOMAS LAXTON**—Medium, Main Crop

1 Pkt. of each (3 pkts.) . . . 40c.  
 $\frac{1}{2}$  lb. of each (1 $\frac{1}{2}$  lbs.) . . . 85c.  
 1 lb. of each (3 lbs.) . . . \$1.35

## Tall Peas

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequalled for length of season, heavy yielding and high quality. Support should be given and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

**P-9 IMPROVED TELEPHONE.** 74 Days. Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

### MEDIUM HEIGHT

**A HEAVIER** yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much, will be found to be of good table quality.

**P-6 GREEN BAYOU.** 64 Days. A cross between Thomas Laxton and Creole made by Dr. Miller of Louisiana State experiment station. This variety has resistance to heat and possesses a quality comparable to Alaska. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

**P-15 WORLD'S RECORD OR IMPROVED GRADUS.** 57 Days. Gradus is the greatest of the wrinkled peas; it is large early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 8 or more rich, tender peas in each. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

**P-14 THOMAS LAXTON.** About 62 Days. The best pea for freezing. This is a selection of Gradus. The season is identical, but the pods are square at the end and deeper green. Vines are 3 to 3 $\frac{1}{2}$  feet high. A better yielder than Gradus. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

**P-11 ALASKA—CALLED EARLIEST OF ALL.** In about 57 Days. Alaska seed is bluish in color and smooth. This is the earliest pea to mature and is used extensively in Wisconsin for canning. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

### EDIBLE POD PEAS

#### Cooked Like String Beans

**P-4 DWARF GRAY SUGAR.** About 65 Days. The pods, not the seed of this variety, are eaten. They are borne on vines 16 inches tall, and should be picked before seeds form. At this stage they are: stringless, brittle and succulent. Pkt., 15c;  $\frac{1}{2}$  lb., 40c; 1 lb., 65c; 2 lbs., \$1.20; 5 lbs., \$3.00.

# Kohlrabi

SOW in April or May in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like turnips, but are much sweeter.



VIENNA KOHLRABI EARLY WHITE. Pkt., 15c

# Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy.

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

O-4 WHITE VELVET. 70 Days. Produces pods larger than any other.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 65c

O-3 TALL OR PERKINS MAMMOTH. 68 Days. The long pods, measuring 4 and 5 in. are produced in great quantities.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 65c

O-2 DWARF LONG POD. 65 Days. Low, stocky and productive, with long pods.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 65c

O-1 CLEMSON SPINELESS. 55 Days. Similar to Dwarf Long Pod; a little taller bush, having longer and darker pod.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 65c



O-2 OKRA DWARF LONG POD. Pkt., 10c

# Oyster Plant (Salsify)

ALTHOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frost. Roots for winter use should be lifted in the fall, while those for early spring use may be left in the ground over winter.

S-1 MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" variety, it is twice the size and weight; the roots are of superior quality and flavor.

Pkt. 15c;  $\frac{1}{2}$  oz., 35c; oz., 65c

## NO SEED HORMONE BLOSSOM SET

Grow earlier, larger, meatier tomatoes. More on each plant. Easy to use Hormone spray. Stops blossom drop. Tomatoes ripen up to three weeks earlier, are larger, firmer; many are seedless. Excellent for strawberries, peppers, cucumbers, etc. 4 oz. bottle makes 1 gallon of spray, price each, 75c postpaid; pint, makes 4 gallons, price each, \$1.75 postpaid.

# Peppers, Sweet or Hot

THE plants should stand eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. One packet produces 75 plants; oz., 1,000 plants. Plants started eight weeks before are set out one week after frost-proof date. Harvest continues until frost, if vines are picked clean.

### K-11 EARLY WHITE VIENNA.

55 Days. White and tender. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 55c

### K-10 EARLY PURPLE VIENNA.

About 60 Days. Pkt., 15c;  $\frac{1}{2}$  oz., 35c; oz., 55c

### P-66 WISCONSIN LAKES.

65 Days. A new early heavy yielding block-shaped green pepper bred at the University of Wisconsin. It is particularly suited to the northern area, and has given heavy yields on both sandy and clay soils. Pkt. 35c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.85. See novelty page 7.



P-61 PEPPER HUNGARIAN OR BANANA SWEET. Pkt., 15c

### P-51 BULL NOSE, HOT.

60 Days. A pungent pepper. Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c

### P-52 CALIFORNIA WONDER.

75 Days. A mild sweet variety, very large. It resembles Chinese Giant in form, but has much thicker flesh. It has a crimson fruit.

Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., \$1.00

### P-57 EARLY CALIFORNIA WONDER (Calwonder)

65 Days. A quality giant, is recommended for the home garden. Mild, sweet, mid-season, it produces fruits 4 x 4 $\frac{1}{2}$  inches with thick flesh a deep green changing to bright crimson.

Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., \$1.00

### P-53 CAYENNE.

70 Days. Long, red, hot. Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c

### P-58 GIANT MAGNUM DULCE.

67 Days. This mild pepper grows to 7 inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the first buds.

Pkt., 15c;  $\frac{1}{2}$  oz., 45c; oz., 85c

### P-75 GOLDEN CALIFORNIA WONDER.

80 Days. The same as California Wonder except that the fruit turns a bright golden yellow.

Pkt., 25c;  $\frac{1}{2}$  oz., 65c; oz., \$1.20

### P-59 HARRIS' EARLY GIANT.

63 Days. Heavy yielder among the large peppers, also earlier. The plants are vigorous; pepper 4 x 4 $\frac{1}{2}$  inches. Color, deep green turning to red, very sweet.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c

### P-60 HUNGARIAN OR BANANA (Hot).

65 Days. A slender hot pepper much prized for canning. It is 1 $\frac{1}{2}$  inches in diameter at the base and often 7 inches long. Yellow turning to red.

Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

### P-61 HUNGARIAN OR BANANA (Sweet).

65 Days. Same as above, but sweet. This is a specialty of ours. The plants are strikingly uniform and the fruits are borne in great numbers.

Pkt., 15c;  $\frac{1}{2}$  oz., 60c; oz., \$1.15

### P-63 KING OF THE NORTH.

64 Days. A sweet medium, short and blocky. Not quite as early as Early Giant.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c

### P-64 LARGE BELL.

60 Days. Large, mild. Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c

### P-62 PATRICK HENRY.

58 Days. The earliest variety we know. It bears thick-fleshed green fruit, 3 to 4 lobed, which turn red when mature. Excellent for the home gardener wishing an early crop.

Packets only, 25c

### P-68 PIMENTO PERFECTION.

73 Days. Flesh thick and very mild. Must be started early in the north to mature.

Pkt., 15c;  $\frac{1}{2}$  oz., 45c; oz., 85c

### P-70 RUBY KING.

In 68 Days. One of the most popular growing 4 $\frac{1}{2}$  to 6 inches long, 3 $\frac{1}{2}$  to 4 inches thick. The peppers are a bright ruby-red and quite sharp in flavor.

Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c

P-69 RED CHILI. 75 Days. An exceptionally prolific variety that is really hot. The fruit are thin-fleshed, very pungent light green becoming dark red when mature. Used extensively for pepper sauces, pickling and drying for winter use.

Pkt., 15c;  $\frac{1}{2}$  oz., 45c; oz., 75c

P-71 SUNNYBROOK. 73 Days. Tomato shaped, very early and productive. Fruits 2 in. deep and 3 in. diameter, smooth, glossy, dark green, turning deep red. Flesh thick and sweet.

Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c



P-73 PEPPER YOLO WONDER. Pkt., 35c

P-73 YOLO WONDER. 70 Days. A new mosaic resistant variety originating from a cross between California Wonder and Elephant Trunk, a mosaic resistant variety from Italy.

Tobacco mosaic, is a disease of egg-plant and tomatoes as well as peppers, all being cousins of the tobacco plant. It is spread by smokers, and is widely prevalent. Pkt., 35c;  $\frac{1}{2}$  oz., \$1.00; oz., \$1.85.

# Radishes for All Season



SMALL SUGAR PIE PUMPKIN. Pkt., 15c

## Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide ample for pies and Jack O'Lanterns.

**P-97 SMALL SUGAR PIE PUMPKIN.** 110 Days. **Well known as the best pie pumpkin.** The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 75c

**CUSHAW.** 110 Days. We offer three strains, White, Striped and Golden. A favorite pumpkin for pies, having no seeds in the neck, all being confined in the enlarged portion near the blossom end. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 75c

**P-92 WHITE. P-91 STRIPED. P-90 GOLDEN.**

**P-96 MAMMOTH PRIZE.** About 120 Days. Specimens have grown to 100 lbs.; notwithstanding, it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 75c

**P-98 WINTER QUEEN OR WINTER LUXURY.** About 100 Days. A quality pie pumpkin and the best winter keeper if care is taken in storage. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 75c

**P-93 KENTUCKY FIELD** (Large Cheese). About 120 Days. Used largely for canning and stock feeding. Fruits very large and flat, skin creamy buff, flesh extremely thick, deep salmon yellow and of good quality. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 75c

**P-95 LARGE FIELD OR BIG TOM.** 110 Days. **VA** standard variety grown in corn fields for a feeding crop and the pumpkin generally used at Halloween time for Jack O'Lanterns. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 75c



PUMPKIN "BIG TOM." Pkt., 15c

**RADISHES** from April to December are possible for the home gardener who sows early, midseason, summer and winter types.

Radishes supply, in a 2 oz. portion, 61U of Vitamin B-1; 11 milligrams of Vitamin C, 0.01 milligram of Vitamin B2.

Our strains are grown with the greatest care, which involves considerably increased cost, but the additional cost is small compared with the great difference in your crop.

Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool moist fall weather. Quantity needed for 15 to 20 ft., 1 pt.; 75 ft., 1 oz.

**Sow with earliest crops,  $\frac{1}{2}$  inch drill, 5 seeds to the inch. Sow early types one week's supply at a time, at weekly intervals. Mix with parsnips, parsley and carrots, to make the row. Harvest when large enough to eat. Summer and winter types have longer harvest.**

### (F.) Forcing Sorts.

**R-9 CHERRY BELLE.** 25 Days. **VA**ll American winner, 1949. See Novelty Page 7. Pkt., 25c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00;  $\frac{1}{2}$  lb., \$1.75

**EARLY SCARLET GLOBE SELECT.** (F.) 23 Days. Vaughan's Glasshouse strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright scarlet in color, of uniform globe shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

**R-11 SHORT TOP.** Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

**R-10 MEDIUM TOP.** Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55



R-11 RADISH SCARLET GLOBE SHORT TOP.  
Pkt., 15c

**R-13 ICICLE.** 27 Days. **VA** The finest white, which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

**R-14 FRENCH BREAKFAST.** (F.) 25 Days. Early olive-shape, 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

**R-22 CAVALIER.** 23 Days. Roots are olive shaped and bright scarlet. Tops are slightly larger than short topped Scarlet Globe and it will mature just as quickly. For an early maturing red radish either indoors or outdoor we strongly recommend this. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

**R-12 GIANT BUTTER.** 28 Days. By far the largest of the early globe radishes. In rich soil it will produce crisp, spicy, tender roots of perfect globe shape two inches in diameter, only a week later than the smaller globe types. It is seldom found in the market and will make your friends talk. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

**R-7 CRIMSON GIANT.** (F.) 28 Days. For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55



R-18 SCARLET TURNIP WHITE TIP RADISHES.  
Pkt., 15c

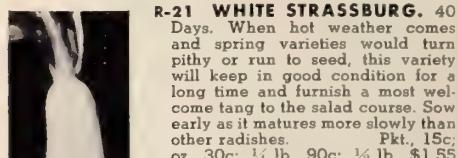
**R-3 BRIGHTEST LONG SCARLET.** 26 Days. This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

**R-6 CINCINNATI MARKET.** 28 Days. A long red radish, short top. If your market uses a long sort try this one. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

**R-18 SCARLET TURNIP WHITE TIP** (Sparkler). 26 Days. **VA**ughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color with white tip, and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

**R-20 WHITE BOX**—(Early White Turnip). 20 Days Our earliest white radish. Turnip-shaped, short top and a rapid grower, crisp. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

## SUMMER RADISHES



**R-21 WHITE STRASSBURG.** 40 Days. When hot weather comes and spring varieties would turn pithy or run to seed, this variety will keep in good condition for a long time and furnish a most welcome tang to the salad course. Sow early as it matures more slowly than other radishes. Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

## WINTER RADISHES

**THESE** should be sown from late in June to August, to produce the final radish crop. They grow largest of all and can be stored for some time after the ground is frozen. In spite of their size they are mild and of fine texture.

Each of the following: Pkt., 15c  
oz., 30c;  $\frac{1}{4}$  lb., 90c;  $\frac{1}{2}$  lb., \$1.55

**R-4 CALIFORNIA MAMMOTH WINTER.** About 60 Days. Long, very large size.

**R-16 ROSE OR SCARLET CHINA.** About 52 Days. Rose, medium size, fine keeper.

**R-5 CHINESE MAMMOTH OR CELESTIAL.** About 60 Days. Immense size, flesh always crisp and mild.

**R-1 BLACK SPANISH, LONG.** 58 Days. Black skin and white flesh.

**R-2 BLACK SPANISH, ROUND.** 56 Days. Like Long Black, only round.

R-13  
RADISH  
ICICLE  
Pkt., 15c

# Green Leafy Crops

Richest of All in Vitamins

## Swiss Chard

### BEARS ALL SUMMER

**S-89 SUMMER SPINACH.** 45 Days. This vegetable gives maximum returns for little care and space; it yields a constant crop from July to Winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds.

Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

**S-88 LUCULLUS.** About 52 Days. A new Moss Curled sort. Very large leaves.

Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

**S-87 LARGE WHITE RIB.** (Dark Green). 55 Days. The leaf is large, smooth, dark green on a long fleshy stem, 1 to 2 inches wide.

Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

**S-86 FORDHOOK.** 57 Days. This variety resembles Lucullus, but is a darker green.

Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

**S-90 RHUBARB CHARD.** A recent introduction having all the chard characteristics excepting mid rib.

Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 75c

**SPINACH—KING OF DENMARK.**  
Pkt., 15c

## Spinach

**S**PINACH demands cool, moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety listed below, is most free from this tendency.

Home gardeners have generally adopted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop all summer and until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. New Zealand Spinach, however, is better sown in early spring as soon as the ground may be worked. The value of spinach in the diet has been scientifically established by the vitamin investigation.

**S-13 AMERICA.** 45 Days. All America Silver Medal, 1952. An extremely long-standing variety with Savoy type leaves, latest of this type.

Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., 90c

**S-9 NOBEL GIANT THICK LEAVED.** 45 Days. The largest spinach under cultivation. It grows rapidly and remains in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent and tender. It is an excellent home garden spinach.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c

**S-12 VIKING.** 45 Days. This 1935 All-American winner bears largest leaves of the thick-leaved type, and is almost as long standing as King of Denmark. Its leaves are smooth to slightly crumpled, dark green, and of excellent quality for home and market.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c

**S-7 KING OF DENMARK** (Antvorskov). 48 Days. In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded, exceedingly bushy, slightly crumpled and of a glossy dark green color.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c

**S-6 BLOOMSDALE LONG STANDING.** 45 Days. Improvement was accomplished through the selection of bisexual plants which seed more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark), having larger, Savoy type leaves.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c

**S-5 BLOOMSDALE DARK GREEN.** 43 Days. The leaf is of a darker green than Bloomsdale Long Standing.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c

**S-10 OLD DOMINION.** 40 Days. An improvement over Virginia Blight Resistant being a longer stand-

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c



SINGLE PLANT OF NEW ZEALAND SPINACH.  
Pkt., 15c

## NEW ZEALAND SPINACH

Sow in Early Spring

**S-8 NEW ZEALAND SPINACH.** Tetragonia Expansa. 60 Days. While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Sow as soon as the garden is prepared in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.

Pkt., 15c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00

## GARDEN SORREL

**S-3** Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but should be divided every four years.

Pkt., 15c; oz., 75c

**GREENHOUSE GARDENING FOR EVERYONE.** By Ernest D. Chabot. Here for the first time is a book giving the principles of gardening under glass in down-to-earth language. Every phase is covered from a 2x4 cold frame to a small or large heated greenhouse. 366 pages. \$4.00.



S-87 SWISS CHARD. Large. Pkt., 15c

## Kale or Borecole

**G**REENS for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2 1/2 feet apart. Dwarf sort can be sown later. Frost improves flavor.

**K-1 DWARF GREEN CURLED.** In about 55 Days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in south find ready sales in the north.

Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25

**K-3 TALL GREEN CURLED.** About 75 Days.

Pkt., 15c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25

## MUSTARD

Leaves useful as salad or boiled like Spinach. Matures in 30 Days.

**M-76 TENDERGREEN.** A new variety of greens, producing only a small root, but large green leaves having a small rib. It is ready for table or market in 21 to 25 days and will produce 8 to 9 crops a year.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c

**M-72 FLORIDA BROADLEAF.** Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c

**M-73 GIANT SOUTHERN CURLED.** Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c

**M-74 IMPROVED OSTRICH PLUME** (Fordhook). The handsomest of the mustards.

Pkt., 15c; oz., 30c;  $\frac{1}{4}$  lb., 80c

**PROPAGATION OF PLANTS.** By Kains and McQuesten. A complete guide for professional and amateur growers of plants by seeds, layers, grafting and budding, with chapters on nursery and greenhouse management. In direct, simple language it discusses all phases of the subject, explains technical and scientific terms and tells clearly the how and the why of all processes. 639 pages. \$4.50

# Squash Improved in Taste and Texture



REAR, LEFT TO RIGHT, ACORN, BUTTERCUP, BUTTERNUT.  
FRONT, SWEET POTATO IMPROVED

GROWING popularity of squash as both summer and winter vegetable is due to the improvement in flavor, and texture of the flesh, and to the new methods in cooking, which bring the squash to the table with its taste unimpaired. For summer, bush squash and vegetable marrows are best suited to the home garden, the latter being delicious at all stages, from infancy to maturity. The new winter varieties Buttercup and Butternut, have rapidly become rivals of the older types in popularity.

Sow one inch deep, in light soil, sunny location. Space bush types 3 feet apart in row, vine types in hills six feet apart, 3 plants to hill. Use summer squash at any size, delicious in baby stage.

## WINTER VARIETIES

**S-40 UCONN.** 75 Days. **VA** bush type of Acorn (gold medal winner 1950 All America).

Pkt., 25c; oz., 65c;  $\frac{1}{4}$  lb., \$1.85

**S-20 ACORN, TABLE QUEEN OR DES MOINES.** 80 Days. Extremely prolific; one of the most popular for home, market garden and shipping; fruits pointed acorn shape,  $5\frac{1}{2}$  inches long and 4 inches through; skin smooth, dark green; shell thin; flesh light yellow, bakes dry and sweet.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-24 BUTTERNUT.** 100 Days. **VA** recent introduction which has become very popular. Delicious when used for pies and excellent either baked or boiled. Particularly good when prepared in a pressure cooker with only a very small amount of water. If you have room in your garden for only one squash, grow Butternut. In addition to top quality it has the very important characteristic of being resistant to stem borer. The fruit may be held until spring in a cool dry spot.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-23 BUTTERCUP.** 100 Days. A distinct, outstanding winter squash developed at the North Dakota Agricultural College, highly productive, unique, turban-shaped, fruits 6 to 8 inches in diameter, slightly ribbed, deep dull green faintly striped and flecked with dull gray. Prominent button at blossom end, dry and of excellent quality.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-30 SWEET POTATO IMPROVED.** (Delicate Resistant). 100 Days. Its vigorous vine, produces fruits averaging 8 to 9 inches,  $3\frac{1}{2}$  to 4 inches in diameter. Cream skin is marked by green stripes; flesh thick, orange and of good quality.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**DELICIOUS** (Green or Golden). In 102 Days. A fall and winter variety. The fruit varies from 5 to 10 pounds each.

**S-27 GREEN.** Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-29 GOLDEN.** Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-25 CHICAGO WARTED HUBBARD.** 110 Days. Fruits are slightly larger than True Hubbard. Skin is rough and dark green. Flesh bright orange, fine grained, rich and dry.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-31 "KITCHENETTE"** (Hubbard). 110 Days. Named "Kitchenette" because it is the smallest Hubbard, about 5 pounds.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25



S-22 SQUASH BLUE HUBBARD, Pkt., 15c

**S-22 BLUE HUBBARD.** 110 Days. A third larger than Chicago Warted and more prolific. We believe that it is superior in yield, quality, size and keeping. The blue-gray shell is more attractive and many prefer it.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-35 IMPROVED HUBBARD.** In 110 Days. Not as large as Chicago Warted, but in shape and quality similar. Flesh is sweet and fine grained, and fruits keep well.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

## Vegetable Marrows

**S-39 CASERTA.** 60 Days. **VA** an Italian Cocozelle type that won a Gold Medal in All America. The fruits mature almost a week earlier in much greater numbers. The fruit are delicious at the size of a banana.

Pkt., 25c; oz., 65c;  $\frac{1}{4}$  lb., \$1.85

**NEW ITALIAN MARROW.** (Zucchini). 60 Days. When matured it is 18 in. long, 5 to 7 inches in diameter and an excellent keeper, very dark green. A bush type and very productive. There is nothing better for slicing and frying when small; if kept picked, it will continue to bear until frost. Delicious in the baby stage, 3 to 6 inches long.

**S-34 LIGHT GREEN OR GRAY STRAIN.**

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-33 DARK GREEN OR BLACK STRAIN.**

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-26 COCOZELLE** (Italian Vegetable Marrow). Ready in about 65 Days. A bush variety. Fruits oblong, ribbed, 2 ft. in length. Color dark green with yellow and darker green stripes. Very fine flavor.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-28 ENGLISH VEGETABLE MARROW.** About 100 Days. (*Cucurbita Pepo*) The fruit is generally eaten when less than half grown, as the flesh is then very tender. Also an excellent winter keeper when mature.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

## OTHER TYPES

**S-36 PROLIFIC STRAIGHTNECK.** 55 Days. Excels in tenderness, color and productiveness. Served when about 6 in. long, it is delicious.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-32 MAMMOTH WHITE BUSH.** About 60 Days. The leading white summer squash. It is an improvement on the "Early White Bush Scallop" in that fruits are quite a bit larger. Vines are extremely prolific and disease resistant. Fruit should be used when immature.

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-37 GIANT YELLOW SUMMER CROOKNECK.** In about 55 Days. Our strain produces fruit, nearly double the size of the old "Crookneck." (*Cucurbita Pepo*)

Pkt., 15c; oz., 45c;  $\frac{1}{4}$  lb., \$1.25

**S-21 BANANA SQUASH.** In 105 Days. Of sweet potato quality, 12 inches long, 6 inches in diameter, gray green.

Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., 80c

**S-38 YELLOW SUMMER CROOKNECK.** Popular for home, market garden and shipping. Fruits are 12 to 14 inches long and  $3\frac{1}{2}$  inches through; neck curved, skin orange, flesh yellow, moderately warted.

Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., 75c



T-93 TURNIP PURPLE TOP WHITE GLOBE.

Pkt., 15c

## Turnips

**TURNIPS** are cool weather plants and thrive best in Spring and Fall. For early use, seed should be sown as soon as the ground can be prepared; it will give roots large enough for the table in six to ten weeks. For the Fall crop seed should be sown June to August, and the plants will grow until freezing weather, when they should be harvested and stored.

**T-93 PURPLE TOP WHITE GLOBE.** 57 Days. **VA** originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe shaped, fine appearance, a good keeper.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 60c

**T-92 PURPLE TOP STRAP-LEAVED.** About 46 Days. A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grain, splendid quality.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 60c

**T-88 EARLY WHITE MILAN.** In 42 Days. This can be used spring or fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 60c

**T-95 SHOGOIN.** 30 Days. An extremely useful sort, it is quick growing and supplies large edible strap leaves as well as smooth globular roots of superior quality. Resistant to aphids and plant lice.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 60c

**T-94 SEVEN TOP.** 30 Days. A variety much grown in the south for the tops, which are used as greens.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 60c

**T-95 EXTRA EARLY PURPLE TOP MILAN.** About 42 Days. Standard sort for the home and market garden and for forcing. Roots are flat and tops small with strap leaves.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 60c

**Rutabagas** Mature in 90 Days

**R-31 IMPROVED AMERICAN PURPLE TOP.** Is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 60c

**R-32 LAURENTIAN.** A purple top globe having rich yellow flesh, one of the deepest globes and free from excess roots.

Pkt., 15c; oz., 25c;  $\frac{1}{4}$  lb., 60c

# Tomato is No. 1 Home Garden Crop

NO HOME garden should be without this crop, which excels in nutritive value, heavy yield for space occupied, and the many ways in which it can be served. Whether the big ones or the commercial type are preferred for a main crop, an early variety should always be grown to start the harvest.

Plants started six to eight weeks before are set out two weeks after frostproof date when all danger of chill is over. Pruned plants can be grown to stakes or fence 18 inches apart; space unpruned 2 to 4 feet apart. Plants for late varieties can be grown from seed in open, preferably not transplanted.

## HYBRID TOMATOES

T-44 VAUGHAN'S EARLY HYBRID. 68 Days. **V**A heavy yielding, very early and large fruited variety. Pkt., 35c

## LARGE TOMATOES

T-19 GIANT TREE. 88 Days. **V**The most outstanding large tomato for size and quality, for description see Novelty Page 8. Packets only. 50c

T-36 PONDEROSA. 88 Days. One of the best for home use, fruits deep purplish pink, extremely large, commonly 9 to 12 oz. each; deep, but flat; very fleshy with few seeds; a very mild non-acid flesh. Pkt., 15c;  $\frac{1}{2}$  oz., 65c; oz., \$1.25

T-34 OXHEART. 90 Days. Popular, late home garden variety, fruits are heart shaped, pink, flesh solid with few seeds, of mild flavor and very choice for salads. Pkt., 15c;  $\frac{1}{2}$  oz., 65c; oz., \$1.25

T-12 CRIMSON CUSHION OR BEEFSTEAK. 96 Days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Pkt., 15c;  $\frac{1}{2}$  oz., 65c; oz., \$1.25

## EARLY, SMALL VINES

### Do Not Prune

T-16 EARLY CHATHAM. 60 Days. The earliest tomato to mature fruit that we know of; fruits are small, very productive and rich red color. Exceptionally good for northern districts. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

T-7 BOUNTY. 65 Days. Compact, small vine, not to be staked. Introduced by Dr. Harold Mattson, North Dakota, Experiment Station. Excellent for the home garden, very productive. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

T-17 FIRESTEEL. 68 Days. **V**A small vine tomato that produces remarkably large fruits early. Varieties are smooth, red or semi-acid flavor. It will set fruit when other types are dropping their blossoms and it resists cracking. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

## EARLY, LARGE VINES

T-41 EARLIANA. 66 Days. Large, smooth bright red, compact with stout jointed branches; the vines yield well and the fruit is of fine quality. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

T-26 JOHN BAER CERTIFIED. About 70 Days. Only a few days later than Earliana. John Baer yields a much heavier crop of larger, more uniform and attractive red fruits. Most profitable extra early sort. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

T-6 BONNY BEST CERTIFIED. 74 Days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

**THE NEW BOOK OF LILIES.** By Jan De Graaff. Sound information for amateur and commercial grower! The foremost expert on lilies shows how to grow them indoors, outdoors, for exhibition. A "must" for garden clubs, libraries, flower lovers! 17 lilies in color. 192 pages. \$3.50. Postpaid \$3.65.

**THE NEW FLOWER ARRANGEMENT FOR EVERYONE.** By Dorothy Biddle and Dorothea Blom. You'll be entranced with the inspired arrangements for home, church or flower shows. This completely revised edition, with 80 new photographs, offers information for novice and blue-ribbon winner! 192 pages. \$3.50. Postpaid, \$3.65.

## WILT RESISTANT

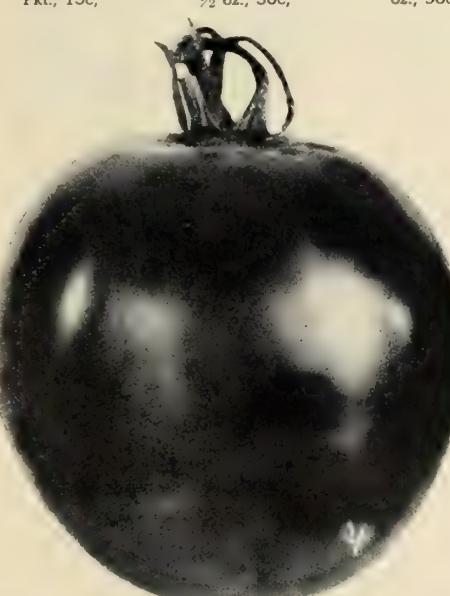
T-20 MANALUCIE. 86 Days. **V**The most outstanding tomato introduction in years. This variety might well become our top tomato. Resistant to early blight as well as five other common diseases. Pkt. (only) 35c; See novelty page 6.

T-29 QUEENS. 76 Days. **V**New Red for 1952, bred by L. G. Schermerhorn of New Jersey Experiment Station. A cross between Rutgers and Valiant, giving early maturity to Rutgers type of fruit. Pkt., 25c;  $\frac{1}{2}$  oz., 65c; oz., \$1.25

T-18 GARDEN STATE. 83 Days. A recent introduction growing in popularity; plants are large and highly productive, fruits bright red, smooth, globular and solid. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

T-31 MARGLOBE CERTIFIED. 77 Days. Second early, red-fruited variety suitable for market or canning. Almost as early as Bonny Best, produces large, smooth, meaty, globular red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

T-40 RUTGERS CERTIFIED. 86 Days. **V**A New Jersey Experiment Station cross on Marglobe. The fruit are bright scarlet and slightly more flat than Marglobe. Highly recommended as a second early variety for canning and tomato juice. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

A detailed illustration of a large, round, red Rutgers tomato. The tomato is smooth with a slight dimple at the bottom. It has a dark red color with some green at the stem end. The illustration is centered on the page, with the text for T-40 Rutgers Certified surrounding it.

T-41 IMPROVED NEW STONE CERTIFIED. 86 Days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c



T-18 TOMATO GARDEN STATE. Pkt., 15c

## OTHER POPULAR VARIETIES

T-32 NEW GLOBE. Matures in about 82 Days. This ball-shaped variety yields a heavy crop. The skin is a smooth, purplish pink. Uniform fruits. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

T-23 IMPROVED NEW STONE CERTIFIED. 86 Days. Smooth skin, small core, fine-grained flesh with little acidity. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

T-14 DWARF STONE. The Largest Dwarf Tomato. 92 Days. It resembles "Dwarf Champion," but is of stronger growth and more erect, fruit bright red. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

## SMALL FRUITED TOMATOES

T-51 ITALIAN CANNER. 75 Days. A very productive long plum-shaped tomato. It is firm, not having any hollow parts, and the walls are exceptionally thick. Remains edible in storage two weeks after picking or frost. Pkt., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c

### FOR GREENHOUSE

T-45 LIVINGSTON GLOBE. Pink. Strain A—for fall crop. Pkt., 25c

T-42 LIVINGSTON GLOBE. Pink. Wilt Resistant #3. for spring crop. Pkt., 25c

### For Pickles and Preserves. 73 Days

T-53 RED Currant. Very small.

T-52 RED CHERRY. Small fruit, bright scarlet.

### TWO PEACH TOMATOES

T-54 RED. T-57 YELLOW.

T-59 YELLOW PLUM. T-58 YELLOW PEAR.

T-50 GROUND CHERRY, HUSK OR STRAWBERRY. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and pies. Any of the above ptk., 15c;  $\frac{1}{2}$  oz., 50c; oz., 90c.

## Tobacco Seeds

T-3 CONNECTICUT SEED LEAF. Best adapted to northern states. Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c

T-2 BURLEY. Pkt., 15c;  $\frac{1}{2}$  oz., 40c; oz., 75c

## Rhubarb

R-27 MAMMOTH. Vigorous and productive; stalks fifteen inches long. Pkt., 15c; oz., 45c;  $\frac{1}{2}$  lb., \$1.25

R-26 VICTORIA. A popular red strain. Pkt., 15c; oz., 45c;  $\frac{1}{2}$  lb., \$1.25

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. (If wanted by mail, add zone rate postage.) 1 lb., for 1 root; 2 lbs., for 3 roots; 3 lbs., for 6 roots; 5 lbs., for 10 roots.

CHIPMAN'S CANADA RED. Stems dark red clear to heart. Makes a sweet fine flavored, beautiful red sauce. Divisions, 75c; 3 for \$2.00; 10 for \$6.00

MCDONALD CRIMSON, DIVISIONS. Bright red stalks, low acidity, thin skin, fine grain and fruit flavor. Each, 60c; 3 for \$1.65; 10 for \$5.00

VICTORIA. 2 years. Each, 50c; 3 for \$1.00; 10 for \$2.50. If wanted by mail, add postage as follows up to 300 miles: 1 root, 29c; 3 roots, 39c; 10 roots, 75c.

## BEST YELLOW VARIETY

T-27 JUBILEE. 80 Days. Mature fruits average more than half a pound; deep orange inside and out with solid flesh and so few seeds as to make seed production a problem. It is an excellent salad variety, with mild, non-acid flavor, but not flat, and it can be canned with success, but some will consider its juice insipid. Its vines grow vigorously and can be staked and pruned. Pkt., 20c;  $\frac{1}{2}$  oz., 55c; oz., \$1.00

# Top Ranking Gladiolus Varieties



BENJAMIN BRITTON



CONNECTICUT YANKEE



MOTHER FISCHER

## BEST OF THE NEW INTRODUCTIONS

25 Bulbs of Any Variety  
Take the 100 Rate

**GL101 ASTRID** (Jack). Ex. Distinctive clear medium rose with narrow throat line and slight feather. The color is well liked by florists for cut flowers. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL102 BEAUTY'S BLUSH** (Fischer). Ex. Soft blush pink, opening seven recurved florets on a long flower spike. Robust grower, and excellent cut flower. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL103 BENJAMIN BRITTON** (K&M). Ex. A new, deep toned lavender approaching light purple. The 5-inch florets are well placed on a 6 foot spike. Early and strong grower. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL104 BETTY DUNCAN** (Benedict). Ex. Clear orange with golden throat. Does not burn in the sun. Tall plant with up to 7 1/2 inch blooms open. Each, 15c; doz., \$1.75; 100, \$12.00.

**GL106 BIRCH RED** (Rich). Ex. One of best medium dark reds. Tall and straight with 7 blooms open and as many showing color. Each, 15c; doz., \$1.75; 100, \$12.00.

**GL107 BLUE LAGOON** (Snyder). Ex. Medium deep blue, lighter in the throat. Darker than Blue Boy. Opens 4-6 large blooms. Better performer than most blues. Each, 15c; doz., \$1.25; 100, \$8.00.

**GL109 BUCKEYE BRONZE** (Wilson). Ex. Outstanding old rose and bronze with distinct orange shading. Opens 6 to 8 florets on strong spike. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL110 BURMA** (Palmer). Deep rose with wide open heavily ruffled blooms. After the first floret opens practically every bud will show color. Fine exhibition variety. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL112 COL. ATKINSON** (Williams). Ex. Deep lavender self with towering spike, opening 10 to 12 florets together, blooming in 100 days. Color midway between lavender and purple. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL115 CONNECTICUT YANKEE** (Schenetsky). Ex. Huge light pink with rose throat. Opens 8 to 10 florets on medium tall spike. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL116 CORDOVA** Each, 15c; doz., \$1.50 100, \$10.00.

**GL117 DAISY MAE** (Lins). Ex. Orange-pink with a cherry throat blotch. Opens 8 large blooms on 18 bud spike. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL121 DIEPPE** (Hassel). Ex. Dazzling salmon scarlet with deeper blotch. Florets are frilled, and seven open together on a long spike. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL123 EVANGELINE** (Palmer). Ex. Light buff pink, with a creamy yellow throat. It opens 8 to 12 huge ruffled blooms on a flowerhead of 20 to 22 buds. Foliage tall and broad and disease resistant. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL124 FLORENCE NIGHTINGALE** (Harris). Ex. Outstanding new white from Canada. Opens 8 well placed florets on tall straight spike. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL125 FRIENDSHIP** (Fischer). Ex. Bright true pink, blended with cream and white throat. It is a sensational propagator from small bulbs, and one of the first to bloom. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL127 GAIL** (Farrington-Moses) Dec. Tall growing lavender opening 7 to 9 florets with gracefully recurved petals. Color deeper at petal edge, spike straight and florets well placed. Each, 20c; doz., \$2.00; 100, \$15.00.

**GL126 GENE** (Farrington.) Dec. A good ruffled medium yellow. 6 to 8 florets open at one time, well placed on a strong straight stem. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL128 GOLD**. (Marshall) Ex. Exceptionally vigorous and healthy variety with rich yellow coloring. The large florets are attractively ruffled, and open to the tip of the strong, straight stem. Each 50c; doz., \$5.50.

**GL134 GEN. EISENHOWER** (Salman) Ex. Large deep salmon rose from Holland. Opens 7 to 8 large florets on a tall spike. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL135 HARRY HOPKINS** (Salman). Ex. Large deep red with slight purplish shading. Opens 6 to 8 well placed blooms on a tall straight stem. One of the best dark reds. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL136 HEART'S DESIRE** (Fiedler). Ex. Heavily ruffled light pink shading to white with yellow throat. Heavy white midribs. Strong husky grower. Opens up 6 or more 6 1/2 inch florets on a spike of 18 to 20 buds. Opens well to the tip. Has been a heavy winner at the shows. Each 20c; doz., \$2.00; 100, \$15.00.

100 Top-size Bulbs of  
10 Top Ranking Glads

Prepaid \$7.00

Ten of each of the following ten Prize Winning varieties (100 first size Bulbs) will be sent postpaid for \$7.00.

## LAKE GENEVA COLLECTION

10 Elizabeth The Queen, Large Lavender  
10 Parthiena, Giant Lavender  
10 Red Wing, Red  
10 Pactolus, Orange  
10 Beauty's Blush, Pink  
10 Spotlight, Yellow  
10 Picardy, Apricot Pink  
10 Ethel Cave-Cole, Light Pink  
10 Ravel, Blue  
10 Florence Nightingale, White

**GL141 INTRUDER** (Graff). Ex. Giant flame red, with small orange feather on base petals and trace of dubonnet in throat. Of exhibition type but its heavy propagation makes it a good commercial also. A winner at many prominent shows. Each, 30c; doz., \$3.00; 100, \$20.00.

**GL140 LEEUWENHORST** (Salman). Ex. Tall, with huge flowers of light rose tinted lavender. One of the strongest growers and largest flowers. Vigorous grower and good propagator. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL143 LADY BOO** (Graff) Ex. Pure shell pink. self-color, delicate and dainty, on strong, straight stems which never become crooked. It opens well in water to the tip bud. A decorative variety of highest quality. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL142 LIPSTICK** (Balentine). Ex. Vigorous and easy grower, light pink with red blotch, with formal two-row spike maturing in 90 days. Excellent cut flower. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL143 MOTHER FISCHER** (Fischer). Ex. Heavy ruffled white with velvety texture which opens 8 florets of perfect placement. Tall, with long flower head. A winner at flower shows. Each 50c; doz., \$5.00.

**GL144 MARIMBA**. Ex. Large florets of light buff, sometimes tinged with pink with small feather in throat. Always opens 8 or more well placed blooms on long spike. Two for 20c; doz., \$1.00; 100, \$7.00.

**GL147 MISS WISCONSIN** (Kreuger). Ex. A beautiful rose-pink that is outstanding. Opens 6 to 8 five-inch florets on a medium height plant. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL151 OCTOBER SUNSHINE** (Quackenbush). Ex. An outstanding cut flower variety, orange with golden yellow throat. Opens 5 to 6 recurved florets on an 18 bud spike with 8 buds showing color. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL152 ORANGE GOLD** (Marshall). Ex. Clear orange self color. Opens up 6 well placed florets on a tall spike. Each, 15c; doz., \$1.25; 100, \$8.00.

**GL154 PACTOLUS** (K & M). Ex. Apricot cream with orange red blotch, opens 8 to 10 well placed florets. Of medium height but exceedingly showy. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL155 PARTHIENA** (Hitchcock). Ex. A striking deep mauve-lavender. It will open 8 blooms on a 5 1/2 inch spike with a long flower head. The 5 1/2 inch blooms are perfectly placed and are ruffled and fluted. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL156 PATROL** (Palmer) Ex. Clear apricot with yellow throat, which opens 10 or more florets with all the remaining showing color. Strong grower with long flower head, which stands heat well. Each 15c; doz., \$1.50; 100, \$10.00.

**GL157 PHANTOM BEAUTY** (Bastian). Ex. Light pink florets,  $5\frac{1}{2}$  inches across, ruffled and open wide, perfectly placed with formal effect. Of 22 buds, 12 will open together and 6 show color. Blooms in 80 days, grows five feet tall, propagates well. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL159 THE RAJAH** (Jack) Ex. Large and vigorous reddish purple opening 8 to 9  $\frac{1}{2}$ -inch florets on long, strong stems. An outstanding flower in the garden or on the exhibition table. A great prize winner. Each, 25c; doz., \$2.50

**GL161 RED CHERRY** (Roberts). Ex. Early brilliant scarlet with darker throat. Opens 6 to 7 blooms which often are large enough to be in the 500 class. Form resembles Picardy. Each, 15c; doz., \$1.50; 100, \$10.00

**GL162 RED WING** (Graff). Ex. An exhibition red which opens 10 large blooms with 6 more showing on a head of 22 buds. Opens well when cut tight. Each, 15c; doz., \$1.50; 100, \$10.00

**GL163 REGAL RED** (Fischer). Ex. Tall vigorous scarlet red. Six florets open at one time and can be grown up to  $7\frac{1}{2}$  inches without overlapping. Late bloomer. Each, 20c; doz., \$2.00; 100, \$15.00

**GL164 SHERWOOD** (Pruitt). Ex. Beautifully ruffled deep purple with darker blotch. Tall grower, opens 5 to 6 large blooms. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL172 SPOTLIGHT** (Palmer). Ex. Clean medium yellow with a small red throat blotch. Spotlight is one of the finest gladioli grown. Florets are of large size and are perfectly placed. It will open 7 and is a very good keeper. Two for 20c; doz., \$1.00; 100, \$6.00.

**GL174 TIVOLI** (K & M). Ex. Clear soft rose. Opens 8 large florets on tall spike. Very fine for cut flowers. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL175 TRAIL'S END** (Ficht) Ex. Rare color blend of rose with yellow throat, maturing in 85 days. Each, 20c; doz., \$2.00; 100, \$15.00.

**GL177 VELVET MANTLE** (Fisher). Ex. Rich maroon with silken sheen not equalled by any glad in this color. Opens 5 to 9, five-inch round florets, well placed on a spirelike spike. Healthy and heat-resistant. Each, 15c; doz., \$1.50; 100, \$10.00.

**GL181 WEDGEWOOD** (Fischer). Ex. Waxy ruffled new lavender with cream throat. Opens 4 to 5 medium size florets on medium tall spike. Each, 15c; doz., \$1.50; 100, \$10.00.



THE RAJAH



SPIC AN SPAN



RED WING

### To Kill Gladiolus Thrips

We recommend D.D.T. for gladiolus thrips. For those who prefer it we can supply Tartar Emetic.

**D. D. T. 5% DUST.** A ready-mixed garden dust; safe on all plants. 1 lb., 35c, postpaid, 45c; 5 lbs., \$1.25, postpaid, \$1.50.

**TARTAR EMETIC.** After plants have reached 6 inches in height, spray weekly with the following formula:  $\frac{1}{4}$  lb. Tartar Emetic, 1 lb. brown sugar, 6 gallons of water.

Tartar Emetic, postpaid for  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 75c; 1 lb., \$1.25

### RED

**GL211 BEACON** (Palmer). Ex. Salmon-scarlet with creamy throat. Tall spike, eight florets open at once. Two for 20c; doz., 75c; 100, \$5.00.

**GL212 VALERIA** (Pruitt). Dec. Improvement on Dr. Bennett, soft red with a narrow mark of light cream in the throat. Stands heat well; never crooks. Five to seven large ruffled flowers of good substance open at one time. Two for 20c; doz., \$1.00; 100, \$6.00

**GL214 RED CHARM** (Butt). Ex. One of the finest medium reds, opening 8 to 9 large well placed florets on tall straight stem. Thrives in hot weather. Two for 25c; doz., \$1.25; 100, \$8.00.

### WHITE

**GL261 CORONA** (Palmer). Dec. Creamy white with wide rose picotee edge on all petals. Very distinctive and beautiful. 6 to 8 very large wide open blooms on a head of about 18 buds. Tall, strong grower and a fine propagator. Each, 15c; doz., \$1.25; 100, \$8.00.

**GL262 LEADING LADY** (Johnston). Ex. A white sport of Picardy. Just like Picardy except that it is a beautiful cream white with canary yellow throat. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL263 MARGARET BEATON** (Twomey). Ex. New immense white with orange-scarlet blotch. Two for 20c; doz., \$1.00; 100, \$5.00

**GL265 SNOW PRINCESS** (Pfizter). Ex. Tall white with long flower spike and many open blooms that are always perfectly placed. Mid-season. Two for 20c; doz., 75c; 100, \$4.00

**GL266 WHITE GOLD** (Scheer). Ex. Clear light cream shading to golden throat. 4 to 6 very large well placed blooms open at one time. Two for 20c; doz., \$1.00; 100, \$6.00.

### YELLOW

**GL250 BOISE BELLE** (Roberts). Dec. Yellow petals have picotee edging of pink. Opens 9 to 12 4-inch florets on tall spike. Each, 35c; doz., \$3.50; 100, \$25.00

**GL251 GELBER HERALD (YELLOW HERALD)** (Pfizter). Dec. Amber yellow, carmine in the throat. The large wide open flowers are well placed and spaced on a strong stem. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL252 GOLD DUST** (Pfizter). Dec. New deep yellow. Two for 20c; doz., \$1.00; 100, \$6.00.

**GL172 SPOTLIGHT** (Palmer). Ex. Deep yellow, red throat, most popular yellow today. 2 for 20c; doz., \$1.00; 100, \$6.00.

**GL254 YELLOW EMPEROR** (Ellis). Dec. Clear deep yellow. Two for 20c; doz., \$1.00; 100, \$6.00.

### BLUE AND PURPLE

**GL231 ABU HASSAN** (Pfizter). Dec. Clear dark blue medium size bloom on a tall straight spike. Excels Pelegrina both in color and growth. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL232 BLUE BEAUTY** (Pfizter). Ex. Light blue, darker toward the edge. Large wide open flowers. Strong grower. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL233 RAVEL** (K & M). Ex. One of the best new blues. Clear medium blue—with attractive purplish blotch. Good winner at the Holland shows. Each 15c; doz., \$1.50; 100, \$10.00.

**GL234 PAUL RUBENS** (Salman). Ex. Dark reddish violet, of the color so popular with women. It opens several large florets together on a tall, strong spike. Each, 15c; doz., \$1.25; 100, \$8.00.

**GL235 PURPLE SUPREME** (Wilson). Ex. Tall plant with many well placed bright purple flowers. Fine exhibition variety. Two for 25c; doz., \$1.00; 100, \$7.00.

### LAVENDER

**GL241 ELIZABETH THE QUEEN** (White). Ex. Clean mauve with darker lines on throat; beautifully ruffled. Very fine lavender of distinction. Two for 20c; doz., \$1.00; 100, \$7.00.

**GL242 MINUET** (Coleman). Ex. Large light lavender. We recommend it. Two for 20c; doz., \$1.00; 100, \$7.00.

**Vaughan's "Standard" Mix- \$2.50**  
ture: 50 Bulbs. First Size . .

We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one will be found satisfactory everywhere, for mixed beds, borders and masses. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.  
Price, doz., 75c, postpaid; by express, not prepaid, 50 for \$2.50; 100 for \$4.75; 250 for \$11.00; 500 for \$20.00; per 1,000, \$35.00.  
Special Gladioli Mixture No. 4 size prepaid, 6 for 25c; 50 for \$1.50; 100 for \$2.00.

## General List

### PINK AND ROSE

**GL201 CHAMOUNY** (Baerman). Ex. Rich, light rose with paler edging; perfectly placed florets on slender spike, eight or more open at same time. Two for 20c; doz., \$1.00; 100, \$7.00.

**GL202 ETHEL CAVE-COLE** (Cave). Ex. Pure light pink sometimes flaked. Makes a spike of 9 to 10 large, well placed blooms on a head of 20 to 24 buds. Two for 20c; doz., \$1.00; 100, \$5.00.

**GL204 PICARDY** (Palmer). Ex. A most sensational flower of delicate apricot-pink. Two for 25c; doz., \$1.00; 100, \$7.00.

**GL205 ROSA VAN LIMA** (Pfizter). Ex. Pure self-colored light pink. Two for 20c; doz., \$1.00; 100, \$5.00.

**GL207 SPIC AN SPAN**. (Carlson). Ex. Giant deep pink ruffled florets, 10 open of its 22 buds together, with all the rest showing color. It consistently makes fine spikes from any size bulb and increases rapidly. Outstanding as a commercial and show flower. Each, 15c; doz., \$1.50; 100, \$10.00.

### ORANGE

**GL117 DAISY MAY** (Lins). Ex. Orange-pink with cherry red throat. Opens 8 large blooms on 18 bud spike. Two for 25c; doz., \$1.25; 100, \$8.00.

**GL152 ORANGE GOLD** (Marshall). Ex. Clear orange self color, opening six well placed florets on tall spike. Each, 15c; doz., \$1.25; 100, \$8.00.

### BULBS SHIPPED SEPARATELY FROM SEED

Because of weather conditions we ship bulbs after March 20th, except to customers in the south or California, to whom we ship at once, packed against freezing.

# Summer Flowering Bulbs

## ACHIMENES

This is closely related to the gloxinia. Plant 6 to 7 bulbs in a 5-inch pot, or 9 to 10 in a 6-inch pot. The soil used for potting should be rich in humus and of an open, porous nature, allowing perfect drainage. A good mixture to use is equal parts of loam, leaf mold and sand. About one-third of the depth of the pots or pans should be occupied with drainage. After the young growth appears, great care should be taken to keep the soil moist, for a single severe drying will ruin the plant. Blooming time 8 to 10 weeks after planting. Mixed colors 3 for 60c; doz., \$2.00; 100, \$15.00



ACHIMENES



DOUBLE BEGONIA



HYACINTHUS CANDICANS

## ACIDANTHERA BICOLOR MURIELAE

Flowers resembling the gladiolus grow from similar bulbs or corms. The 2-inch florets are white with deep violet blotch, on 2 foot stems. Plant in late full sun 5 inches deep, 4-5 inches apart. Keep bulbs warm and dry. Bulbs, doz., 75 cents; 100, \$5.00.

## TUBEROUS BEGONIAS

Complete instructions sent with tuber.

### California Grown Double Camellia Flowered

	Each	Doz.	100
1½-2 ½ inch.....	\$0.20	\$2.00	\$15.00
1½-2 inch.....	30	3.00	22.50
2 inch.....	45	4.50	32.00

## IMPORTED DOUBLE CAMELLIA FLOWERED

### Red, White, Pink, Salmon, Orange, Yellow

	Each	Doz.	100
1½-2 inch.....	\$0.20	\$2.00	\$15.00
2 inch.....	30	3.00	20.00

**Lloydii or Pendula.** Used in hanging baskets. It is an unsurpassed strain containing double flowers only. Excellent for Rock Garden Work. Each, 30c; doz., \$3.00; per 100, \$22.00.

**Multiflora Hybrids Mixed.** In a shady place where they can be well watered these compact plants will bear double flowers of gorgeous coloring, measuring 2 to 3 inches across. They will blossom until killing frost. Three for 75c; doz., \$2.75; per 100, \$20.00.

## GLOXINIAS

These showy plants are easily grown in pots and transplanted to a garden bed, preferably in a semi-shaded place.

**Mixed Colors.** Each, 40c; 3 for \$1.10; doz., \$4.00.

## HYACINTHUS CANDICANS

**Summer Hyacinth.** Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high. First size, each, 15c; doz., \$1.50, prepaid; selected size, each, 25c; doz., \$2.50, prepaid.

## ISMENE CALATHINA

**Peruvian Daffodil.** Flowers are pure white, borne three or four on a stem and are very fragrant. Not hardy. Price, each, 35c; doz., \$3.50, prepaid.

## MONTBRETIAS

Montbretias are easily grown and their graceful flower-stems add much to any garden. They are highly valued for cut flowers. Our mixture contains yellow, salmon, orange and scarlet.

They do best in a light, loamy soil enriched with leaf mould and a little lime, no manure. Where the ground freezes deeply in the winter, they can be treated as gladioli. But in localities where the ground does not freeze deeply, the usual winter protection may be given, and they will multiply. Balanced Assortment. Price, 3 for 40c; doz., \$1.50; 100, \$10.00; prepaid.

**Earlham Large Flowered Hybrids.** They are a completely new race, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 inches. Mixed. 3 for 55c; doz., \$2.00; 100, \$15.00; prepaid.

## TIGRIDIA

### (Shell-Flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. They bloom from July until frost. Height, 3 ft. Red, each, 20c; doz., \$1.75; 100, \$12.00. Wine-Red, each, 25c; doz., \$2.50; 100, \$15.00. Deep-Red, each, 25c; doz., \$2.50; 100, \$15.00. Yellow, each, 30c; doz., \$3.00; 100, \$18.00. Mixed. Price, 3 for 55c; doz., \$1.75; 100, \$12.00; prepaid.



GLOXINIAS



ISMENE CALATHINA



TUBEROSES



MONTBRETIAS



TIGRIDIA



ZEPHYRANTHUS

## FAIRY LILY

### Zephyranthus, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

**Candida.** Pure white and the most profuse bloomer of all. Doz., 80c; 25 for \$1.50; 100, \$5.00; prepaid

**Rosea.** Beautiful clear rose; flowers large and very handsome. 3 for 40c; doz., \$1.50; 100, \$10.00; prepaid

## CALLA LILIES

**Calla Elliottiana.** Flower rich golden yellow; foliage dark green with creamy spots. Makes a good pot plant for indoor culture. Does well outside even in full shade. Besides blooms it will act as a foliage plant all summer. Each, 35c; doz., \$3.50; 100, \$25.00.

**Richardia Maculata.** Spotted leaf, white flower. Can be planted out of doors after danger of frost is over. Take up in fall before freezing. Each, 35c; doz., \$3.50; 100, \$25.00

**Rehmannii Superba.** The rare Pink Calla Lily. Rather dwarfer and smaller flowered than the White Calla, but of alluring coloring, palest blush to pure rose. 1½ to 2 inch. Each, 35c; doz., \$3.50; per 100, \$25.00.



CALLA LILY

## TUBEROSES DOUBLE (*Polianthes Tuberosa*)

**Excelsior Dwarf Pearl Double.** Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut flower. If started in pots, and at the end of May moved to open ground, can be flowered much earlier. **First Size**—Each, 20c; doz., \$2.00; 25 for \$3.75; prepaid. **Second Size**—Price, doz., \$1.50; 25 for \$2.85; prepaid.

## RESURRECTION LILY

### Shipped in July

(*Lycoris Squamigera*) For Outdoor Planting

**Amaryllis Hallii.** Produces in early spring attractive green foliage which grows until May, when it ripens off and disappears, and one not familiar with its habits would think the bulb had died, but about a month later, as if by magic, the flower stalks spring from the ground to a height of two or three feet, developing an umbel of large and beautiful lily-shaped flowers three to four inches across and from eight to twelve in number, of a delicate lilac-pink shaded with clear blue. **Culture**—The bulb is perfectly hardy without any protection. The proper time to plant is in the summer when the bulb is dormant. Cover the crown about four inches. Each, 90c; doz., \$9.00.

## STERNBERGIA

### Shipped in August

**Lutea.** These bulbs planted about 4 inches deep July 15th bloomed from August 7th to September 7th. The flower is yellow and looks very much like a Crocus. They have a thin Hyacinth-like foliage. Hardy with some protection. Each, 30c; doz., \$3.00; 100, \$20.00.

## LYCORIS

### Shipped in July

**Ladiata.** A coral red Spider Lily. Bulbs planted 5 inches deep July 15th, bloomed September 4th. This is not hardy, but has been known to survive freezing in pots. It sends up foliage in March. After the foliage dies down the bulb is dormant and sends its blossoms up in August or September. Lily-shaped flowers of orange-red. Each, 25c; doz., \$2.50; 100, \$18.00.

# Imported Super-Giant Amaryllis

## Famous Holland Strain

Largest of flowers which can be grown indoors, and among the largest that grow in gardens, these Amaryllis can be flowered indoors in pots, or set out in the garden after danger of frost is over.

They are giants of their race, and since they are not grown from seed but from bulblets, their color is known in advance. They exactly reproduce their parent bulbs, which are grown in greenhouses in Holland and are carefully selected for vigor and beauty.

This exclusive strain is famous for outstanding beauty, clear coloring, size of flowers, and their form and texture. The initial cost is higher than for seed-grown bulbs, but they may be kept for years, and will produce their beautiful flowers annually. They make fine gifts, for which the donor will be remembered many years.

Flowers are borne in clusters of three, which open in succession. Sometimes three clusters are matured.

**Bulbs 4 inches in diameter, your choice of white, orange, red, scarlet, dark red, or salmon striped. Each \$3.00; dozen, \$35.00 prepaid.**



IMPORTED HOLLAND AMARYLLIS

## American Grown Mixed Bulbs

These bulbs are grown from seed, and produce flowers having a wide range of colors, including red, pink and white in attractive stripes and patterns. The flowers may exceed 6-inches in diameter, and are borne in clusters, often two or three clusters in succession. The bulbs can be saved and flowered each year.  $2\frac{1}{4}$ - $2\frac{1}{2}$  in dia., each 40c; doz., \$4.00; 100, \$27.00;  $2\frac{1}{2}$ - $2\frac{3}{4}$  inch dia., each, 50c; doz., \$5.00; 100, \$35.00;  $2\frac{3}{4}$ - $3$  inch dia., each 75c; doz., \$7.50; 100, \$55.00.

# DING DONG SCHOOL GARDEN SET

In cooperation with Miss Francis, whose Ding Dong school programme on the N.B.C. Television Network has won the attention of millions of children of pre-school age and their parents, this garden set was developed by The Vaughan organization, which was chosen because of horticultural experience covering 78 years.

This set is one of Miss Francis' regular TV play materials, used on her programme in teaching children how to plant and care for growing plants. It includes everything needed to follow her instructions, including the following items:

Instructions written by Miss Francis in easy to understand language with explanatory diagrams.

Sturdy transparent styrene plastic miniature greenhouse complete with ventilators and colored tray in which plants are grown.

Practical toy watering pot.

Package of gravel and small flower pot for use in greenhouse subirrigation system.

Package of sterilized vermiculite which takes the place of soil.

Two-ounce packet of Rapid-Gro soluble plant food to feed the growing plants.

With this equipment, following the instructions and explanations given in the words of Miss Francis, a child can sow seeds, water and feed the seedlings, transplant seedlings, and multiply plants by rooting cuttings.

Mothers will enjoy working with their children and many will learn new methods useful in caring for house plants and the outdoor garden.

Size  $7\frac{3}{4}$  inches long,  $5\frac{1}{2}$  inches wide and 5 inches high.

Each unit, packed in a colorful display box. Each \$3.50. Postpaid \$3.75.



# New and Standard—Large Flowering Dahlias

## Three Giant \$1 Dahlias . . . 1

When labels become detached from our named varieties, the Roots cannot be used to fill regular orders. We offer such Roots at this special price, insuring the purchaser of an outstanding value. Identification is usually easy when the flowers bloom.

**I**N THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply Roots of proper planting size on all varieties listed.

**KEY TO ABBREVIATIONS:** F.D., Formal Decorative; I.D., Informal Decorative; S.C., Semi-Cactus; Str. C., Straight Cactus; I.C., Incurved Cactus.

**AGLOW.** I.D. 10". Warm amber, suffused with scarlet in center of each petal. Each, \$1.00; 3 for \$2.50

**AMBER STAR.** C. 6". Clear amber yellow, on long stems. Each, \$1.00; 3 for \$2.50

**ALICE MAY.** I.D. 10". Pure white giant on cane like stems. Each, \$1.25; 3 for \$3.00

**ARISTOS.** I.C. 10". Huge bicolor, plum red with white. Very choice. Each, \$1.50; 3 for \$3.50

**avalon.** F.D. 8". Clear yellow, fine form. Each, 50c; 3 for \$1.25

**BALET ROUGE.** I.C. 10". Rich, glowing red. Very choice. Each, \$1.75; 3 for \$4.25

**BERGER'S MASTERPIECE.** I.C. 8". Lavender pink with yellow base. Each, \$1.00; 3 for \$2.50

**BLUE RIVER.** F.D. 10". Light lavender with silver sheen. Each, \$1.00; 3 for \$2.50

**CLARA CARDER.** I.D. 12". Clear cyclamen pink, fine stems. Each, \$1.00; 3 for \$2.50

**CENTURY OF PROGRESS.** F.D. 10". Elk's purple, an extremely rich color. Each, \$1.00; 3 for \$2.50

**CLARIAM KELTON.** I.D. 10". Flame red, blended with yellow. Each, \$1.00; 3 for \$2.50

**COMMANDO.** F.D. 10". Blue lavender, often taken for a blue dahlia. Each, 75c; 3 for \$1.75

**CROWN OF GOLD.** Show 8". Bright red with gold tips. Each, 50c; 3 for \$1.25

**DARCY SAINSBURY.** F.D. 10". Great big pure white; Prolific bloomer. Each, \$1.00; 3 for \$2.50

**DEEP VELVET.** F.D. 10". Deep velvety red to black. Outstanding. Each, \$1.50; 3 for \$3.50

**D. DAY.** F.D. 8". Light rose pink. Outstanding. Each, 75c; 3 for \$1.75

**DEUIL DU ROI ALBERT.** F.D. 8". Purple and white bi-color, very early bloomer. Each, \$1.00; 3 for \$2.50

**EASTERN ECHO.** F.D. 8". Rose and white variegated. Each, 50c; 3 for \$1.25

**EL RUBIO.** I.D. 10". Shaggy giant, rich ruby red, overlay of purple. Each, \$1.00; 3 for \$2.50

**FANTASTIC.** C. 8". Dark red with salmon glow. Each, 75c; 3 for \$1.75

**GALLANT FOX.** F.D. 8". Brilliant red. Always popular. Each, 50c; 3 for \$1.25

### GEN. JOHN J. PERSHING SEMI-CACTUS

**GEN'L. J. J. PERSHING.** S.C. 10". Coral and jasper red with chrome flush. Strong stems. Each, \$1.50; 3 for \$3.50

**GOLDEN ECLIPSE.** F.D. 8". Golden yellow, good form. Each, 50c; 3 for \$1.25

**JAMES KIRBY.** I.D. 9". Dark ruby red. Each, 75c; 3 for \$1.75

**JANE COWL.** I.D. 10". Bronze, apricot and gold. A must for your dahlia garden. Each, 75c; 3 for \$1.75

**JERSEY'S BEAUTY.** F.D. 8". Clear pink. Truly beautiful. Each, 50c; 3 for \$1.25

**KENTUCKY SPORTSMAN.** I.D. 10". Golden amber, petals tipped white. Each, \$1.00; 3 for \$2.50

**KIRSTEN FLAGSTAD.** F.D. 10". Very large golden yellow. Each, \$1.25; 3 for \$3.00

**LOIS WALCHER.** F.D. 8". Perfect bicolor of purple and white. Each, \$1.00; 3 for \$2.50

**LE TOREADOR.** F.D. 7". Bright red. Each, 50c; 3 for \$1.25

**MAFFIE.** S.C. 10". Glowing red wavy petals. Very fine. Each, \$1.25; 3 for \$3.00

**MARSHALL'S PINK.** F.D. 8". Bright pink. Excellent form. Each, \$1.00; 3 for \$2.50

**MICHIGAN WHITE.** S.C. 7". Pure white. Fine for cutting. Each, 75c; 3 for \$1.75

**MID-WEST CHAMPION.** I.D. 8". Brilliant violet rose. Each, 75c; 3 for \$1.75

**MAYOR OTIS.** I.D. 12". Giant copper and bronze shades. One of the largest and best. Each, \$1.00; 3 for \$2.50

**MRS. GEO. LE BOUTILLIER.** I.D. 8". Rich velvety red. Time tried. Each, 50c; 3 for \$1.25

**MRS. HESTER PAPE.** I.D. 10". Reddish purple. Very showy. Each, \$2.00; 3 for \$4.75

**MRS. I. DE VER WARNER.** F.D. 8". Bright lilac rose. Each, 50c; 3 for \$1.25

**MONARCH.** I.D. 9". Bright red. Does not fade. Unusually fine bloomer. Each, \$1.00; 3 for \$2.50

**MOONGLOW.** C. 10". Rich blend of apricot with slight reddish hue. Each, \$1.25; 3 for \$3.00

**OAKLEIGH CHAMPION.** I.C. 9". Blend of orange, pink and yellow. A real show in itself. Each, \$1.00; 3 for \$2.50

**OGDEN REID.** I.D. 12". Giant spinal pink blending to rose. Each, \$1.00; 3 for \$2.50

**ORIENTAL GLORY.** I.D. 8". Soft blend of autumn shades. Each, \$1.00; 3 for \$2.50

**PURPERSLAK.** F.D. 9". Dark lilac purple. Each, \$1.00; 3 for \$2.50

**RED JERSEY.** F.D. 8". Bright red. Each, 75c; 3 for \$1.75

**ROSE GLORY.** F.D. 8". Deep rose pink. Profusion of early blooms. Each, 50c; 3 for \$1.25

**ROYAL PENNANT.** I.D. 8". Rich royal purple. Each, \$1.00; 3 for \$2.50

**SHERWOOD PEACH.** I.D. 11". Orange apricot of immense size. Each, 75c; 3 for \$1.75

**SON OF SATAN.** I.C. 9". Brilliant scarlet. A favorite in constant demand. Each, \$1.25; 3 for \$3.00

**SYDNEY.** I.D. 12". Rose pink shaded with salmon. Huge and very showy. Each, \$1.00; 3 for \$2.50

**THE REAL GLORY.** F.D. 12". Enormous pure white. The best white. Each, \$2.00; 3 for \$4.75

**THE UNIVERSE.** I.D. 8". Deep oxblood red. Low bushy shaggy flower. Each, \$1.00; 3 for \$2.50

**VICTORY.** F.D. 9". Very fine pink and gold. Each, 75c; 3 for \$1.75

**WATCHUNG GIANT.** I.D. 12". Yellow blending to orange. Exceptionally good bloomer. Each, 50c; 3 for \$1.25

**WHITE KING.** F.D. 8". Pure white. One of the most popular whites. Each, 50c; 3 for \$1.25

**WHITE WONDER.** I.D. 11". Pure white. Fine form with pointed petals. Each, 75c; 3 for \$1.75

**WORLD'S EVENT.** I.D. 10". Huge Terian rose with high center. Each, \$1.00; 3 for \$2.50



FORMAL DECORATIVE

SEE SPECIAL OFFER  
ON PAGE 3

Eight Champion Dahlias  
for \$3.95 postpaid.  
(\$7.50 Value)



STRAIGHT CACTUS



POMPON DAHLIAS

MINIATURE DAHLIAS

<b>BISHOP OF LLANDORF.</b> F.D. Bright scarlet, bronze foliage.	Each, 50c;	3 for \$1.25
<b>BONNIE BLUE.</b> F.D. Royal Purple.	Each, 50c;	3 for \$1.25
<b>CORALETTE.</b> F.D. Coral pink.	Each, 60c;	3 for \$1.50
<b>FAIRY.</b> F.D. Shimmering pink.	Each, 50c;	3 for \$1.25
<b>IKE.</b> F.D. Rich red.	Each, 50c;	3 for \$1.25
<b>PEGGY LINDLEY.</b> F.D. Small orange buff.	Each, 50c;	3 for \$1.25
<b>TARGET.</b> S.C. Rich bronze.	Each, 60c;	3 for \$1.50
<b>WHITE FAWN.</b> F.D. Pure white.	Each, 50c;	3 for \$1.25
<b>OFFER F.</b> 1 each of above 8 varieties, \$3.35 postpaid.		

POMPON DAHLIAS

<b>BETTY ANN.</b> Rose pink.	Each, 60c;	3 for \$1.50
<b>FRAMBOOSIE.</b> Pom. Strawberry red.	Each, 60c;	3 for \$1.50
<b>GOLDEN QUEEN.</b> Pom. Golden yellow.	Each, 50c;	3 for \$1.25
<b>LITTLE ELK.</b> Pom. Golden bronze.	Each, 60c;	3 for \$1.50
<b>LITTLE HERMAN.</b> Pom. Red and white.	Each, 50c;	3 for \$1.25
<b>LITTLE SNOW WHITE.</b> Pom. Best white.	Each, 60c;	3 for \$1.50
<b>ROTHTOUT.</b> Pom. Deep scarlet.	Each, 50c;	3 for \$1.25
<b>SHERRY.</b> Elk's purple.	Each, 60c;	3 for \$1.50
<b>OFFER G.</b> 1 each of above 8 varieties, \$3.50 postpaid.		

## Money Saving Combination Offers

<b>OFFER A.</b> One tuber each Aristos, The Real Glory, Kirsten Flagstad, World Event, Mrs. Hester Pape, and Baret Rouge.	Price—Above 6 for \$7.00 postpaid.	Value \$9.50
<b>OFFER B.</b> One tuber each El Rubio, Amber Star, Darcy Sainsbury, Clara Carder, James Kirby, Deep Velvet and Oriental Glory.	Price—Above 7 for \$5.50 postpaid.	Value \$7.25
<b>OFFER C.</b> One tuber each Deuil du Roi Albert, Kentucky Sportsman, Maffie, Marshall Pink, Michigan White, Monarch, and Century of Progress.	Price—Above 7 for \$5.25 postpaid.	Value \$7.00
<b>OFFER D.</b> One tuber each Commando, D. Day, Jane Cow, Red Jersey, Victory, Gallant Fox, Jersey Beauty, and Watching Giant.	Price—Above 8 for \$3.75 postpaid.	Value \$5.25
<b>OFFER E.</b> One tuber each Avalon, Crown of Gold, Eastern Echo, Le Toreador, Mrs. Geo. Le Boutilier, Mrs. I. De Ver Warner, Rose Glory, and White King.	Price—Above 8 for \$3.15 postpaid.	Value \$4.00



## Tropical and Hardy Water Lilies

### THREE TROPICAL \$5.50 Water Lilies

(Catalog Value \$7.50)

One each Blue Beauty (Sky blue);  
Missouri (White night bloomer);  
Rubra Rosea (Carmine rose).

### TWO HARDY \$3.50 Water Lilies

(Catalog Value \$4.50)

One each of Gloriosa (Carmine rose) and  
Chromatella (Canary yellow).  
Two unusual and beautiful varieties seldom offered in collections.

### TROPICAL WATER LILIES

Set out after June 1st in vicinity of Chicago. By August 1st will be in full bloom. Must have warm water and full exposure to sun. All are day bloomers, except Missouri, Juno and Hitchcock.

**AUGUST KOCH.** Medium sized lovely lavender flowers. Free flowering. \$2.50

**FRANCES GRIFFITH.** Outstanding royal purple. Best of its color. \$2.75.

**MRS. W. R. JAMES.** A finer pink than Pershing. Huge flowers. \$2.50.

**BLUE BEAUTY.** Huge sky-blue. Most vigorous. \$2.50.

**MRS. GEORGE PRING.** Star-shaped white flowers, free-blooming. \$2.50.

**MISSOURI.** Huge white flowers open at night. \$2.75.

**JUNO.** Huge white night bloomer. Very free and fragrant. We urge those who are not at home during the day to try night bloomers for greater enjoyment of the water garden. \$2.75.

**MRS. GEORGE C. HITCHCOCK.** A pure rose pink night bloomer. Free blooming and of unusual size. \$2.75.

**PINK PEARL.** Brightest pink of lovely form. \$2.50.

**RUBRA ROSEA.** Brilliant rosy carmine. \$2.25.

### HARDY WATER LILIES

This group requires less heat and will bloom earlier in spring. Can be carried over winter by the amateur with some protection. While flowers are smaller, they are borne over a longer season than the Tropicals. Most satisfactory for the average gardener.

**ATTRACTION.** Garnet red with ruby shading. Finest red. \$3.00.

**CHROMATELLA.** Pure canary yellow. Very vigorous and free flowering. \$2.25.

**COMANCHE.** At first of rich apricot hue, it deepens to copper. Its flower is held high above the water like tropical water lilies. \$2.25.

**ESCARBOUCLE.** Brightest crimson and scarlet. Very striking. \$3.00.

**GLORIOSA.** Deep carmine rose. Free and vigorous. \$2.25.

**HERMINE.** A star-shaped white of clear, luminous texture. \$2.50.

**JAMES BRYDON.** Rosy crimson, small growth. Good for tubs. \$3.00.

**PAUL HARIOT.** Opens soft, clear yellow, deepens to apricot. \$2.25.

**PINK OPAL.** Although new, so vigorous that the price is low. Deepest pink of great beauty. \$2.00.

**SIOUX.** Largest of the sunset tints. Opens brassy yellow, deepens to blood red. \$2.00.

**SOMPTUOUSA.** Large double fragrant flowers of deep rosy pink with contrasting stamens of deep orange. \$2.25.

### COLLECTIONS OF

#### Oxygenating and Ornamental Aquatic Plants

##### 1 Collection for small Aquariums, \$2.00.

Italian Vallisneria      Corkscrew Vallisneria  
Sagittaria Natans      Anacharis  
Elodia      Water Sprite

##### 2. Collection for medium sized, \$3.00.

Italian Vallisneria      Corkscrew Vallisneria  
Sagittaria Natans      Anacharis  
Elodia      Water Sprite  
Sagittaria Subulata      Lysmachia  
Cabomba      Amazon Sword Plants

##### 3. Collection for Outside Pools, \$4.00.

Italian Vallisneria      Corkscrew Vallisneria  
Sagittaria Natans      Anacharis  
Elodia      Water Sprite  
Sagittaria Subulata      Lysmachia  
Cabomba      Amazon Sword Plants  
Water Poppy      Water Ferns  
Water Hyacinths      Duckweed

Orders for the above three collections filled only as specified. No split orders accepted.

### POPULAR AQUATIC PLANTS

\*Anacharis      3 for \$1.00

\*Cabomba      3 for \$1.00

Corkscrew Vallisneria      Dozen, \$0.90

Floating Elodia      Each, \$0.90

Italian Vallisneria      Dozen, \$0.90

\*Water Fern      3 for \$1.00

\*Water Hyacinths      3 for \$1.00

\*Water Poppy      3 for \$1.00

\*MINIMUM ORDER THREE

For prepaid delivery add 10c each to hardy varieties and 25c to tropicals.

# New Hardy Everblooming Hybrid Tea Roses



**PEACE.** The Most Beautiful Rose in the World Today AARS 1946 (Patent 591). Peace is a beautiful creation, distinguished by the changing colors through which it passes—canary yellow, pale gold, cream and ivory, cerise, rose and apple-blossom pink. Huge yellow buds, edged with cerise, open to great peony-like blooms, often 5 to 6 inches in diameter, which change to creamy yellow with a delicate flush of pink, deepening as the flower slowly opens. Blooms are produced singly all season on strong and straight stems; they last an unbelievably long time and they will bring an ethereal beauty to your garden all summer long. The plant is as superior as the bloom, hardy and vigorous, with shining holly-like foliage. Mild fragrance. Each \$2.50; 3 for \$6.75.

**CHRYSLER IMPERIAL.** AARS 1950 (Pat. 1167). See in color on inside of cover page. \$2.75.

**Forty-Niner.** AARS 1949 (Pat. 792). A brilliant bi-color. Its colors do not fade, but hold until the last petal drops. Its long, pointed buds open into bell-shaped flowers of 30 to 40 petals, rich yellow outside and dazzling red inside. Mild, pleasant fragrance. \$2.50; 3 for \$6.75.

**FRED HOWARD.** AARS 1952 (Pat. 1006). See in color on inside of cover page. \$2.50.

**HAPPINESS.** (Pat. 911). A brilliant red red! The petals are unbelievably firm and heavy, like highly polished leather. A coppery sheen to the flaming red gives this flower an exotic brilliance. \$2.50.

**HELEN TRAUBEL.** AARS 1952 (Pat. 1028). See in color on inside of cover page. \$2.75.

**MOJAVE.** AARS 1954 (Pat. 1176). See in color on inside of cover page. \$3.00.

**Price of the following four varieties: Each, \$2.25; 3 of one kind for \$6.25**

**CHARLOTTE ARMSTRONG.** AARS 1941 (Pat. 455). An amazingly beautiful Rose with long, slender blood-red buds open into magnificent, brilliantly colored flowers, spectrum-red in cool weather, cerise in hot weather. Blooms are on long stems and are very lasting when cut.

**MIRANDY.** AARS 1945 (Pat. 632). The large, long pointed, ovoid buds, are a deep rich dark red with black shadings, opening to a gorgeous chrysanthemum-red. The huge 50-petaled flowers are long lasting and have a wonderful fragrance.

**MISSION BELLS.** AARS 1950 (Pat. 923). One of the freest flowering hybrid tea roses. Its pointed, well shaped buds of beautiful, deep salmon-pink open to richly fragrant, full, high centered blooms of clear shrimp-pink. Vigorous, heavily branched plants, abundantly clothed with disease resistant, coppery green foliage.

**SUTTER'S GOLD.** AARS 1950 (Pat. 885). Long pointed, bright yellow buds, richly shaded with orange and red, open to high centered flowers of rich orange-gold, shading down to various yellows. Produces great quantities of buds all season. Delightful tea fragrance.

**SPECIAL OFFER 804A** One each of Charlotte Armstrong, Mission Bells, Mirandy and Sutter's Gold (value \$9.00), for \$8.25. (Postage additional 50c up to 300 miles.)

**AARS.** These are Roses selected by the Rose Council after two-year tests in 19 Official All-American Rose Selections Test Gardens. Only a Rose that is almost perfect and gives A-1 results in all parts of the country can pass their rigid tests. When you get an AARS variety you get the best.

**Price of the following eight varieties: Each, \$2.00; 3 of one kind for \$5.50**

**GOLDEN SCEPTER.** (Pat. 910). A new brilliant unfading deep yellow rose. Tall open plants, vigorous and hardy, covered with dozens of handsome golden yellow buds, which slowly unfurl into large exquisite blooms.

**GOOD NEWS.** (Pat. 426). Buds of deep coppery pink open slowly to great 60 petaled blooms with a glowing, coppery center, toning to shell-pink on outer petals. Rich tea fragrance. A vigorous healthy plant almost continuously in bloom. We think this is the "perfect rose" for it has no faults and has all you could wish for in a flower.

**LOWELL THOMAS.** AARS 1944 (Pat. 595). Large, beautiful buds open into perfectly formed, high centered, lasting flowers of rich, golden yellow. Vigorous bushy plants.

**NEW YORKER.** (Pat. 823). A brilliant red rose that stays red, clear and sparkling, until the last petals fall. Flowers are fragrant, beautifully formed, and of tremendous size, often 6½ inches across. Blooms continuously.

**NOCTURNE.** AARS 1948 (Pat. 713). The ideal, well formed buds have an unusual elegance, being long-pointed and perfectly shaped. They open to large, cupped blooms of cardinal-red with intriguing darker shadings of Chrysanthemum-crimson. The plants are upright, vigorous, have luxuriant foliage and produce a wealth of bloom.

**SHOW GIRL.** (Pat. No. 646). One of the most popular of pink varieties. Rich phlox-pink blooms of good substance, and exhibition form are produced on long, strong stems. Most remarkable is the perfection of the very long-pointed buds and the vigor of the tall plants.

**SLEIGH BELLS.** (Pat. 1004). Large ovoid buds, borne singly on exceedingly long stems, are produced in quantity all season. The white flowers are really fragrant and open gradually into blooms of great size, with 40 or more petals, lighted with a trace of primrose at the base.

**TALLYHO.** AARS 1949. (Pat. 828). Another bicolor of a new and unusual blend. Inside its petals are a beautiful shade of pink, and the reverse a rich crimson. Long tight buds open into lovely full blooms, long lasting when cut. Rich spicy fragrance. It is a vigorous grower, has disease resistant foliage, and constant bloom.

**FOUR FAMOUS HYBRID TEAS**  
**SPECIAL OFFER NO. 804B.** One each of Forty-Niner, Nocturne, Peace and Tallyho, (value \$9.00) for \$8.25. (Postage additional 50c up to 300 miles.)

**Price of the following six varieties: Each, \$1.75; 3 of one kind for \$5.00**

**CRIMSON GLORY.** We consider this the finest of all red Garden Roses. It gives a quantity of fine blooms all summer and fall. Its large, urn-shaped buds open to deliciously fragrant flowers of intense, deep vivid crimson shaded oxblood red and mellowed by a soft velvety nap. Vigorous growth.

**ECLIPSE.** (Patent No. 172). Introduced in 1936, this Rose is internationally famous and is of sensational new form. Long, streamlined buds of clear, bright yellow, freely produced. Semi-double blooms, lasting well. A fine garden Rose.

**HEART'S DESIRE.** AARS 1942 (Pat. 501). This was the No. 1 Rose of the 1942 "All-American Rose Selections," and what a Rose, for it really has everything that your heart could desire. A pure luminous red color, very sweet fragrance, long stems for cutting, vigorous grower.

**KATHERINE T. MARSHALL.** AARS 1944 (Pat. 607). Long pointed buds of exquisite coral pink open to very large, full cupped blooms of warm glowing pink fruity fragrance. A marvelous grower.

**RUBAIYAT.** AARS 1947 (Pat. 758). This rose performs magnificently all season. It is a prolific bloomer, producing graceful, long, pointed, shapely buds which slowly open into very large blooms of brilliant rose-red to crimson. Tall, vigorous, luxuriant foliage. Delicious old rose fragrance.

**WILL ROGERS.** (Patent No. 256). This Rose is one of the finest of velvety reds. In color it is a black crimson-maroon and holds well. Very vigorous and has a really intense old rose fragrance. It bears quantities of flowers throughout the season. Does best in semi-shade.

**Soaking the roots of Roses in a pail of water for 24 hours before planting will help to start them growing more quickly.**

## OUR SELECTION

### TOP 10 AARS ROSES

**SPECIAL OFFER 784C.** One each of the following All-American Winners: Charlotte Armstrong, Chrysler Imperial, Forty-Niner, Helen Traubel, Katherine T. Marshall, Lowell Thomas, Mirandy, Nocturne, Peace and Tallyho (value \$23.25), for \$21.25. (Postage additional 95c up to 300 miles.)

### MABELLE STEARNS ROSE

(Pat. 297). Perpetual Flowering Dooryard Rose. A Rosa Scentigera Hybrid that is very hardy. The plants grow 2 feet high and will spread 6 to 8 feet or more if permitted. The full double, fragrant flowers of peach blossom-pink are produced in panicles from June until frost, and are excellent for cutting. \$2.00; 3 for \$5.50.

### TREE ROSES

#### "The Crowning Glory of any Garden"

Standard or Tree-shaped Roses are grown by budding the desired variety into a tall straight stalk at a height of 3 ft. The bushy head usually produces more flowers and larger ones than the bush type of the same variety. We offer the following: Crimson Glory, Helen Traubel or Peace, each, \$7.50.

### 6 TOP RATED ROSES \$7.75

These are all extra fine varieties with a high National Rating given them by the American Rose Society. Catalog Value \$9.00. (Postage additional 50c up to 300 miles. Price: Each, \$1.50; 3 of one kind for \$4.25.)

**CHRISTOPHER STONE.** Clashed with Etoile de Hollande and Crimson Glory as one of the three finest red roses in existence. All season the fine plants produce quantities of brilliant, glowing, velvety scarlet blooms of good form and delicious old rose fragrance.

**CONDESA DE SASTAGO.** A spectacular rose with cupped flowers of orange-scarlet on the inside, yellow on the reverse. Exceptionally strong grower; alluring raspberry fragrance; free flowering.

**McGREDY'S IVORY.** "The perfect white rose." Its long pointed, perfectly-shaped, ivory-white buds open into magnificent blooms of breathtaking loveliness. Moderately fragrant.

**McGREDY'S YELLOW.** Beautifully formed buds of pure, light buttercup yellow; open flowers cup-shaped; with a mass of golden anthers glorifying the center. Slightly fragrant.

**POINSETTIA.** One of the most dazzling red roses we have ever seen. The buds are ideal in form, long and pointed, and open into large, beautiful poinsettia-scarlet blooms. Very fragrant.

**THE DOCTOR.** An outstanding pink rose. The buds are long and pointed and expand to enormous blooms of beautiful, glowing rosy pink. Intensely fragrant; excellent for cutting.



POINSETTIA

All Roses listed are dormant. Northern grown 2 yr. No. 1 grade and should be planted early.

We suggest that you order early. Should we be sold out of a variety you order, we will send another variety of the same color, and of equal or greater value, unless requested not to do so.

All Roses are shipped via express from Western Springs, Ill., or may be shipped in parcel post if postage is sent. Allow 1/2 lb. for each plant. See order blank for postage rates. (No Roses are shipped C.O.D.).

## ERBLOOMING HYBRID TEA ROSES

### All-Time Favorites

the Hybrid Tea Roses bear their glorious blooms fusely from June until late fall. In severe winter rates they need proper winter protection.

**ch: \$1.50; 3 of one kind for \$4.25**

**TER TIMES.** Very large, high centered, brilliant rose blooms on long strong stems; fragrant. An excellent cut-flower variety.

**UNTESS VANDAL.** Here in one flower are lended all the beguiling tricks known to roses, ull blooms, sturdily borne; contrast of soft colors; ne majesty of flaunting lines. Exquisite buds of ink, salmon and gold, excellent for cutting.

**SOLE DE HOLLANDE.** A brilliant dark red Rose of magnificent size and perfect form. Flowers deliously fragrant.

**AU KARL DRUSCHKI.** (White American Beauty). Hybrid Perpetual. Pure white, long, immense buds; double flowers. Tall, strong grower.

**JSS AN TEPLITZ.** Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom ll the time. One of the best outdoor bedding varieties. Very hardy.

**ANNA HILL.** Very popular Rose and the best of its color. Rich cream and ivory with a yellow-range heart. A long-lasting cut flower of fine form.

**ME. JULES BOUCHE.** Long, pointed, shapely buds, excellent for cutting, opening into superb white flowers, slightly shaded at times with blush pink; fragrant. Plant exceptionally strong and continuously in bloom.

**S. CHARLES BELL (SHELL-PINK RADIANCE).** An exquisite shade of salmon-shell-pink that is not found in any other Rose. Has delicious fragrance and all the excellent qualities of Radiance.

**S. PIERRE S. DUPONT.** One of the most continuously blooming Roses grown. Long pointed, reddish gold buds opening into exquisitely formed flowers of dark golden yellow. Low, compact bushes.

**GER BOY.** Here is a rose that has everything, like the Floribundas, it is continuously in bloom, nd produces quantities of beautiful, dark crimson flowers, perfect in shape, that look like a miniature Crimson Glory.

**TURE.** This is one of the loveliest of all pink Roses, very flower being a perfect picture in color and form. The nicely formed buds open into mediumized flowers of velvety rose-pink with a warm almon undertone.

**ESIDENT HERBERT HOOVER.** Its deep copper-red buds open slowly to a wonderful blend which can only be described as multi-colored, with a dominance of cerise-pink and rich cream veined with carlet. Superb buds; large flowers, lasting well; ong stems.

**DIANCE.** Large, full, deliciously fragrant blooms I brilliant rosy carmine, shaded with pink. Constant bloomer and excellent keeper in hot weather. Easy to grow and one of the most popular Roses in America.

**RADIANCE.** Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. Hardy; strong grower.

**OWBIRD.** The long pointed buds open into full sable, high centered, very fragrant snow-white blooms. Leathery foliage; compact bushy growth; robust bloom.

**LISMAN.** A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals and one of the most popular of all roses for cutting.

### A Good Growing Tip

As soon as dormant Roses are properly pruned and planted, hill them up with 3 or 4 inches of moist soil. This keeps the wind from drying the plants and helps them to leaf out more quickly. Remove soil gradually as plants begin growing.

### ROSE HARRISON'S YELLOW

is the rose of olden times, growing 4 to 5 ft. tall. Its semi-double, deep golden yellow flowers make a spectacular display in June. 2 yr. \$1.50; 3 for \$4.25.

Dust or Spray Regularly with "ACP Rose and "Floral Dust" (see page 88) and you will have few, if any, rose troubles.

# Everblooming Floribundas

## FLORIBUNDA ROSES

These Roses are among the hardest and most continuous blooming hybrids offered, giving a spectacular and permanent display from June until frost. Their flowers are almost as large as those of the Hybrid Teas, but are borne in clusters which are very showy in the garden and provide excellent bouquets for the house. Wonderful for planting in groups in the border, for bedding, for foundations or for everblooming hedges. A dozen plants should give you hundreds of blooms this summer. Each \$1.50; 3 of one kind for \$4.00.

**ELSE POULSEN.** Semi-double, lasting bright rose-pink flowers of medium size in clusters on bushy, erect growing plants. Very showy.

**IMPROVED LAFAYETTE.** An unusually prolific large flowering variety; very showy and fine for mass plantings. Buds deep crimson, opening cerise-red.

**PINK GRUSS AN AACHEN.** Large, very double, deep salmon-pink blooms like a hybrid tea rose. Ideal for bedding; produces constant bloom.



**LILIBET** (Pat. App. For). Winner 1954 All-American Rose Trials.

**LILIBET.** (Pat. App. For). AARS 1954. Commemorates the childhood nickname of Queen Elizabeth II. Exquisite in its delicate, almost fragile appearance of light rose coloring, melting into a type of dawn pink during its progressive stage of bloom. The plant blooms almost continually. The well formed clusters of small roses with great masses of pink blooms and vigorous, dense foliage makes Lilibet a model rose for either single plantings or for hedge. \$2.50; 3 for \$6.75.

### PATENTED FLORIBUNDA ROSES

**CARROUSEL.** (Pat. 1066). Extra large flowers of velvety dark red, brilliant and luminous. Buds and blooms have hybrid Tea form and often come singly on long stems. It is extremely resistant to heat, drought, mildew and blackspot and has healthy glossy foliage; upright, vigorous growth. Considered one of the best of the red roses. \$2.00; 3 for \$5.50.

**CRIMSON ROSETTE.** (Pat. 901). Huge clusters of buds cover the branches and open slowly to medium-sized, fifty-petaled flowers of vivid crimson. They last for days when cut. The plants are extra strong in growth with good foliage and one crop of flowers is quickly followed by another. \$1.75; 3 for \$5.00.

**FASHION.** AARS 1952 (Pat. 789). See page 1.

**GARNETTE.** The petite flowers are a deep garnet-red and are borne in clusters of 15 to 20 on 18 inch plants; crinkled holly-like foliage. The flowers have extremely long lasting qualities both on the bush and when cut. \$1.75; 3 for \$5.00.

**GERANIUM RED.** (Pat. 811) Well named for color, form and fragrance. The flowers are very double, bright geranium-red in color, and have an unusual strong rose geranium fragrance. \$1.75; 3 for \$5.00.

**GOLDILOCKS.** (Pat. 672). See page 1.

**IRENE OF DENMARK.** (Pat. 889). A really fine pure white that starts early and gives continuous and abundant bloom. The buds and half open flowers are of perfect "sweetheart" form and make attractive corsages and boutonnieres. Extra hardy; strong bushy grower. \$2.00; 3 for \$5.50.

**MA PERKINS.** (Pat. 1143). Winner 1953 All-American Rose Trials. This remarkable rose will produce hundreds of blooms, in huge cluster and singly, all season long. The lovely coral buds, shaded red in the outer petals, open slowly to 3 1/2 inch blooms of sparkling coral-shell-pink, suffused with yellow. Rich and unusual sweet fragrance. Plants are disease resistant, strong and compact foliage rich green and plentiful. \$2.25; 3 for \$6.25.

**PINK BOUNTIFUL.** (Pat. 601). Glistening pink flowers, often 3 inch across, put on a wonderful show in the garden all summer. \$1.50; 3 for \$4.25.

**PINOCCHIO.** (Pat. 484). See page 1.

**RED PINOCCHIO.** (Pat. 812). See page 1.

**VOGUE.** AARS 1952 (Pat. 926). All-America Winner for 1952. A fine floribunda featuring a glowing cherry coral color and flowers of perfect hybrid tea form. Plant is particularly resistant to the common diseases which attack garden roses. \$2.00; 3, \$5.50.

**WORLD'S FAIR.** (Patent No. 362). Large clusters of velvety, black-scarlet flowers, nearly 4 inches across, with 18 to 20 petals. Blooms continuously; fragrant. \$1.50; 3 for \$4.25.

**SPECIAL OFFER No. 814A:** One each of Lilibet, Ma Perkins and Vogue (value \$6.75) for \$6.00. (Postage additional 40¢ up to 300 miles.)

### 4 TOP RATED FLORIBUNDAS

These all have a high National Rating given them by the American Rose Society.

**Each: \$1.50; 3 of one kind \$4.25**

**DAGMAR SPATH (WHITE LAFAYETTE).**

Large trusses of pure white sometimes tinged pink at edges, semi-double flowers, produced freely all summer. Excellent for cutting.

**FRENSHAM.** An English Gold Medal Winner

that is "going to town" in America, and no wonder, for one of its parents is Crimson Glory, highest rated of all red roses. It is the perfect red floribunda with exquisite buds and beautiful color. Robust healthy plants, 3 ft. high and about as wide, loaded all season with large trusses of semi-double flowers. Long lasting when cut and unsurpassed for arrangements. Slightly fragrant.

**FLORADORA.** AARS 1945. Spectacular and profuse blooming variety with well-shaped double flowers in a dazzling geranium or brick-red color. Keeps beautifully when cut. Tall grower with shiny, holly-like foliage.

**ROSE ELFE.** Unusually beautiful, silvery rose-pink flowers of gardenia-like form. They are very double, about 2 1/2 inches across, and are produced freely all summer.

**SPECIAL OFFER NO. 814B.** One each of the above 4 Floribundas (value \$6.00), for \$4.95; (Postage additional 45¢ up to 300 miles).

### POLYANTHA ROSES

These Roses are everblooming, hardy and have large flower clusters, like the Floribundas, but the individual flowers are smaller and the plants are more dwarf. \$1.50; 3 of one kind, \$4.00.

**GLORIA MUNDI.** Full double flowers of most brilliant orange scarlet. Continuous blooming, giving a rich colorful effect.

**MARGO KOSTER.** Very dwarf bushy plants with clusters of unusual globe-shaped flowers of vivid orange, flushed coral-pink.

**TRIOMPHE ORLEANAIS.** Brilliant cherry-red, lasting in color; blooms profusely in trusses.

### EXTRA HARDY RUGOSA ROSES

Everblooming, shrub-like roses, growing 5 to 6 ft. tall. 2 year, each \$1.50; 3 of one kind, \$4.25.

**BELLE POITEVIN.** Large, full double, loosely formed, bright pink flowers in large clusters.

**HANSA.** Double, reddish-violet flowers of large size, freely produced. Very sweet scented.

**F. J. GROOTENDORST.** The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost.

**PINK GROOTENDORST.** A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink.

### MINIATURE ROSES

These are hardy everblooming roses growing only 6 to 8 inches high. We offer 3 inch potted plants.

**PIXIE.** (Pat. 408). The world's tiniest double white Rose. Each, \$1.00; 3 for \$2.75.

**RED IMP.** (Pat. 1032). Very double, deep rich crimson that is startling in its brightness. \$1.00; 3 for \$2.75.

**SWEET FAIRY.** (Pat. 748) Dainty, deep pink buds open to very double 1-inch blooms of apple-blossom pink. True rose fragrance. \$1.00; 3 for \$2.75.

**SPECIAL OFFER NO. 814.** One each of the above 3 Miniature Roses for \$2.75. (Postage additional 30¢ up to 300 miles.)

# Climbing Roses—Hardy Climbing Vines



CLIMBING ROSE NEW BLAZE

Price of the following eight varieties  
Each, \$1.50; 3 of one kind, \$4.25

**NEW BLAZE.** A marvelous, scarlet-red Rose, combining the bloom and growth of Paul's Scarlet Climber with everblooming character. Blooms are double, often 4 inches in diameter. This new improved strain will bloom all summer.

**BONFIRE.** Best red rambler. Many heavy trusses of small double dazzling scarlet flowers in large clusters of 20 to 25 blooms.

**CITY OF YORK.** Heavy bloomer of lovely, long lasting, cupped, 3-inch semi-double flowers of creamy-white. Hardy; strong grower; elegant disease free foliage. Very fragrant.

**CLIMBING AMERICAN BEAUTY.** Fragrant, long stemmed, deep rose-pink flowers, 3 to 4 inches across, produced freely in June.

**GOLD RUSH.** A vigorous climber, producing masses of rich golden yellow flowers of excellent form and substance. Repeats bloom on its new growth for the season; glossy foliage.

**NEW DAWN.** The long stemmed, beautifully formed flowers of soft apple-blossom pink and hybrid tea size are freely produced all summer. Hardy; vigorous.

**PAUL'S SCARLET CLIMBER.** A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber.

**PRIMROSE.** A pure yellow, hardy climbing Rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant.

**SPECIAL OFFER NO. 804A:** One each of New Blaze, Gold Rush and The New Dawn, 3 Roses, (value \$4.50) for \$4.00. (Postage additional 45¢ up to 300 miles.)

## NEW PATENTED CLIMBING ROSES

**CLIMBING CRIMSON GLORY.** (Pat. 736). Climbing form of the outstanding bush everblooming variety, producing an abundance of perfectly formed crimson colored blooms. \$2.50; 3 for \$6.75.

**CLIMBING GOLDILOCKS.** (Pat. 1090). This lovely climbing variety of the famous Floribunda Goldilocks is an everblooming rose that will truly give you a "Sheet of Gold". \$2.50; 3 for \$6.75.

**CLIMBING PEACE.** (Pat. 932). A climbing sport with blooms identical with those of the bush Peace rose. Hardy here so far, making big beautiful plants, but should have winter protection. \$2.50.

**DR. J. H. NICOLAS.** (Pat. 457). Everblooming deep rose-pink. Magnificent, very double deeply fragrant blooms like the Hybrids Teas. \$2.00.

**ORANGE EVERGLOW.** (Pat. 505). New hardy everblooming climber featuring beauty, fragrance, and vigor. Color dazzling coppery orange. \$2.00.

**THOR.** (Giant Scarlet Climber). (Pat. 387). Brilliant scarlet-red of the same shade as Crimson Glory. The flowers are perfectly formed; 4 to 5 inches across, have 55 to 60 petals and are produced abundantly. Foliage rich bottle green which does not mildew or blackspot. Very hardy. \$2.00.

## BITTERSWEET (*Celastrus scandens*)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Succeeds well in shade. We recommend planting 2 or more in a group. 2 yr., \$1.00; 3 for \$2.55; 10, \$8.00.

## LARGE-FLOWERING CLEMATIS

**HENRYI.** Pure white flowers, usually eight-petaled, and often 6 to 8 inches in diameter.

**JACKMANI.** This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion.

**MME. EDWARD ANDRE.** Very beautiful bright velvety red, free-flowering and continuous bloomer

**RAMONA.** An extra good variety that gives plenty of bloom of a distinct shade of light lavender blue. Prices of the above 4 varieties: 2-year, each, \$1.65.

**GOLD MEDAL COLLECTION.** One each Jackman, Henryi and Mme. Edward Andre, 2-year for \$4.35. (Add postage for 1 lb.)

## THREE FINE NEW CLEMATIS

**CRIMSON KING.** Truly spectacular, bright red flowers that are often 6 to 7 inches in diameter. Blooms from June to September. \$2.00; 3, \$5.50.

**LORD NEVILLE.** Very dark, velvety blue-purple. Exquisite in color, with petals rich in texture. Has a long blooming season. 2 yr., \$1.85; 3, \$5.10.

**NELLY MOSER.** Beautiful large flowers of pale mauve with a red bar on each petal. Profuse bloom from June to October; vigorous growth. \$2.00.

**DELUXE COLLECTION.** One each of Nelly Moser, Crimson King, and Lord Neville, 2-year for \$5.25. (Add postage for 1 lb.)

## SWEET AUTUMN CLEMATIS

**CLEMATIS PANICULATA.** The flowers are pure white, deliciously fragrant and produced with the greatest freedom in September. The most popular of all the small flowered vines. 2 yr., \$1.10; 3 for \$3.00.

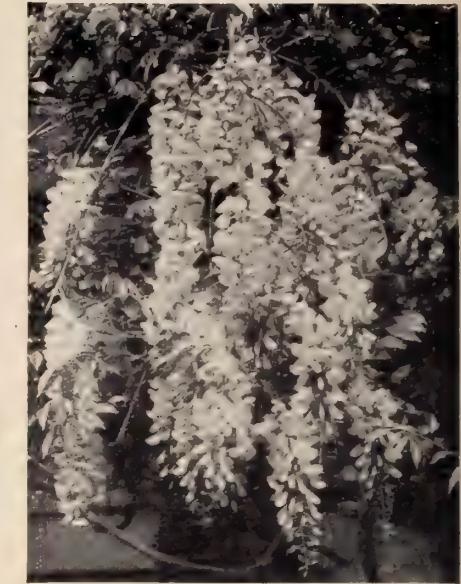
## CREEPER (*Ampelopsis*)

**BOSTON IVY (A. TRICUSPIDATA OR VEITCHEI).** The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 year, \$1.00; 3 for \$2.70; 10 for \$8.50.

**ENGELMAN'S CREEPER (A. ENGELMANNI).** One of the hardiest, best and quickest growing climbers. Leaves color beautifully in the fall. Has a tendency to cling to brick or stucco. 2-year, \$1.00; 3, \$2.40; 10, \$7.50.

**HALL'S HONEYSUCKLE (L. JAPONICA HALLEANA).** One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., \$85c; 3 for \$1.95; 10, \$5.00; 100, \$45.00.

**CLIMBING HYDRANGEA**



## WISTARIA

**CHINESE WISTARIA (WISTARIA SINENSIS).** Blooms very profusely early in summer; flowers violet-blue in long pendulous clusters. Our plants are propagated from blooming wood. 2 yr., \$1.65.

**PINK WISTARIA (WISTARIA MULTIJUGA ROSEA).** The queen of the Wistarias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. No. 1, grafted, \$1.65; 3 for \$4.50.

**WHITE CHINESE WISTARIA (WISTARIA SINENSIS ALBA).** Pure white, fragrant, 2 yr. grafted. \$1.65.

## DUTCHMAN'S PIPE

**ARISTOLOCHIA SIPOH.** A vigorous growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It thrives in sun or shade. 2 yr., grafted \$2.50; 3, \$6.75.

## HONEYSUCKLE (*Lonicera*)

**EVERBLOOMING HONEYSUCKLE (LONICERA HECKROTTI).** Remarkable for large size of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., \$1.35; 3 for \$3.60.

**HALL'S HONEYSUCKLE (L. JAPONICA HALLEANA).** One of the finest of all vines. Almost evergreen, with very fragrant, pure white flowers, changing to yellow, in late summer and fall. 2 yr., \$85c; 3 for \$1.95; 10, \$5.00; 100, \$45.00.



## SILVER LACE VINE

**POLYGONUM AUBERTI.** Of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. 2 yr., \$1.35; 3 for \$3.60.

All prices f. o. b. our nurseries.

Western Springs, Ill.

If wanted by Parcel Post, remit postage, allowing 1 lb. per plant for climbing vines, 2 lbs. per plant for climbing roses. See order blank page for postage rates.

# Vaughan's Irises



IRIS Berkeley Gold

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals. Iris is the most effective if planted 3 of a kind in a clump.

## OUTSTANDING VARIETIES

**BRYCE CANYON.** 38 in. A fascinating warm shade of glowing henna-copper. Very popular. **\$1.00.**

**COPPER LUSTRE.** 36 in. Huge flowers of glowing copper and gold with iridescent sheen. **50c.**

**GARDEN MAGIC.** 40 in. Large flowers of deep, smooth, very dark velvety red. Late. **75c.**

**GOLDEN MAJESTY.** 42 in. A superb iris of gleaming, deep rich, pure yellow. **50c.**

**GRAND CANYON.** 38 in. Ruffled flowers of a rich blend of plum, copper and gold, like the colors of the Grand Canyon. **75c;** 3 for **\$2.00.**

**GREAT LAKES.** 42 in. An exquisite, pure blue self. It is almost perfection, having crisp petals and ideal form. One of the most popular Irises ever grown. **75c;** 3 for **\$2.00.**

**HARRIET THOREAU.** 38 in. Large, well formed flowers of clear orchid pink. **75c;** 3 for **\$2.00.**

**MASTER CHARLES.** 38 in. A gorgeous flower of rich, glowing mulberry purple, overlaid velvety black. **75c;** 3 for **\$2.00.**

**MINNIE COLQUITT.** 36 in. Massive white platicas; has a wide hairy band of wine-purple stitching around both the standards and falls. **\$1.00;** 3 for **\$2.50.**

**SNOW FLURRY.** 40 in. Beautifully ruffled flowers of pure icy white, very faintly flushed with blue. Very showy flowers covering the stems. **\$1.00.**

**SOLID MAHOGANY.** 38 in. Beautifully formed, very large flowers of deep, glowing mahogany-red. Tops in the dark red class. **\$1.00;** 3 for **\$2.50.**

**THREE OAKS.** 38 in. A huge, glowing rose-pink blend, overlaid rosy copper with a lovely blue blaze on the falls; pleasantly ruffled. **\$1.00;** 3 for **\$2.50.**

**WABASH.** 39 in. Snowy white, ruffled standards and deep violet falls with a definite white margin. Has orchid-like beauty. **50c;** 3 for **\$1.25.**

## 5 IRIS CHAMPIONS FOR \$3.75

**BLUE RHYTHM.** 40 in. Extra large flowers of corn-flower-blue with a silvery sheen. Head of its class in the mid-blues. Dykes Medal 1950. **\$1.00;** 3 for **\$2.50.**

**LADY MOHR.** 36 in. An exotic combination of huge oyster-white standards with strong mid-rib; falls of frosted chartreuse with prominent veining. **\$1.00;** 3 for **\$2.50.**

**OLA-KALA.** 36 in. Beautiful rich, deep yellow ruffled flowers with flaring falls. Intensely brilliant, almost orange. **\$1.00;** 3 for **\$2.50.**

**RAIRIE SUNSET.** A gorgeous blend of peach, apricot, rose, copper and gold. **\$1.00;** 3 for **\$2.50.**

**THE RED DOUGLAS.** 40 in. Vibrant red-purple of colossal size, gorgeously rich in color. Grows and blooms well everywhere. **75c;** 3 for **\$2.00.**

The 5 Iris Champions as listed above, (value \$4.75) for **\$3.75** postpaid.

# Eight Iris Aristocrats

\$3 50

## CATALOGUE VALUE \$5.95 (Postpaid in U. S. A.)

These are among the finest Irises in cultivation. Each is rated close to perfection and not long ago not one could have been purchased for the price of the collection. Your Iris display is lacking if you have not these varieties; and our low prices make it possible to own them for less than the cost of ordinary plants.

**AZURE SKIES.** 36 in. A perfectly formed, ruffled azure blue self with flaring falls. A serenely trim iris with firm crisp petals. One of the loveliest of all blue irises. **60c;** 3 for **\$1.50.**

**BLUE SHIMMER.** 38 in. The extremely large and full, well formed flowers are a beautiful clear sparkling white, dotted and peppered all-over with clear blue. Really outstanding. **\$1.00.**

**CHRISTABEL.** 38 in. The large flowers of gleaming copper-red are outstanding in every way. Very showy and floriferous; one of the most effective irises in the garden. **50c;** 3 for **\$1.25.**

**ELMOHR**—The Colossal Iris. 36 in. A super Iris that has magnificent, richly colored, rounded blooms of heavy texture. Their color is reddish mulberry with a pinkish glow that gives it great brilliance. A sensational Iris that is hardy and thrives everywhere. **\$1.00;** 3 for **\$2.50.**

## 3 BEAUTIFUL JAPANESE IRIS \$2.00

Postage additional 34c up to 300 miles.

These Kaempferi Irises or "Orchids of the Orient" bloom in June and July. They have rather flat and wide blooms of velvety texture, 6 or more inches across.

**GOLD BOUND.** Double white with gold-banded center. Earliest to bloom. **75c;** 3 for **\$2.00.**

**MAHOGANY.** Large double flowers of velvety mahogany-red. Late. **75c;** 3 for **\$2.00.**

**PURPLE AND GOLD.** An enormous double of rich violet-purple with gold center. **75c;** 3 for **\$2.00.**

## 12 DWARF IRISES for \$3.95

3 each of 4 varieties listed below (value \$5.00)

These dwarf varieties bloom two weeks in advance of the tall bearded Iris.

**CYANEA.** 6 in. Very dwarf, rich crimson purple; fragrant. **50c;** 3 for **\$1.25;** 10 for **\$3.00.**

**FAIRY.** 6 in. A lovely soft sky-blue. **50c;** 3 for **\$1.25;** 10 for **\$3.00.**

**KEEPSAKE.** 8 in. Bright golden yellow on slender stalks. **50c;** 3 for **\$1.25;** 10 for **\$3.50.**

**TAMPA.** 8 in. Clear wine red on slender stalks. Narrow foliage. **50c;** 3 for **\$1.25;** 10 for **\$3.50.**

Ask for our "Complete List of Iris," ready in June. Complete list of Peonies will be found in our Fall Bulb Catalog, ready about Sept. 1st.

## Peonies

Peonies may be planted in Spring with good results, but they should be put in early. We suggest that you send in your orders as early as possible. Planting directions are sent with each shipment.

**ROOTS BY PARCEL POST.**—Add postage as follows:

Single roots, 2 lb.; two roots, 3 lb.; 3 roots, 4 lb.; 4 roots, 5 lb.

**OFFICINALIS RUBRA PLENA.** (8.6) This is the old-fashioned, very early, brilliant red peony. **\$1.50.**

**RICHARD CARVEL.** (8.8) Large globular flowers, all one shade of bright crimson. Tall, very stout stems, annual and profuse bloomer. Delicate fragrance. Early, usually in bloom for Decoration Day. **\$1.50.**

**SARAH BERNHARDT.** (9.0) A prolific bloomer of beautiful dark rose-pink flowers on tall stems. An extra fine cut flower and show variety. **\$1.25.**

## 3 EXTRA FINE PEONIES \$2.25

### CATALOGUE VALUE \$3.00

Postage additional 39c up to 300 miles

**REINE HORTENSE (PRESIDENT TAFT).** (8.7) One of the finest Peonies in our Nursery. A vigorous, strong grower, a profuse bloomer, and an excellent cut-flower variety, cut blooms lasting a week or more. Its large flowers are a beautiful uniform light pink, center flecked crimson. Midseason. **\$1.00.**

**FELIX CROUSSE.** (8.4) Its large, globular flowers, solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. Late mid-season. **\$1.00.**

**MME. DE VERNEVILLE.** (7.9) Very full and double, pure white, center tinted blush. Exquisite rose fragrance. Very beautiful reliable bloomer; early. **\$1.00.**

### Unnamed Peonies to Color

**DOUBLE PINK—DOUBLE WHITE.** Ea. **75c;** 3 for **\$2.00.**

**DOUBLE RED.** Each **90c;** 3 for **\$2.25.**

**BERKELEY GOLD.** 38 in. This top ranking yellow Iris should sell for more. It is a large deep clear yellow self of fine form and heavy texture. Stands rain, hot weather and does not fade. **60c.**

**CHINA MAID.** 48 in. Words are inadequate to describe this intriguing blend of pink, golden copper and soft lilac. Besides having a beautiful color, it has large size, fine form and a smooth texture. **75c;** 3 for **\$2.00.**

**MULBERRY ROSE.** 40 in. Huge flowers of radiant, lovely, mulberry rose with a bronze beard. A new and unusual shade in the deep pink class that stands out from afar in the garden. **75c.**

**SABLE.** 40 in. Excellent form, hardiness, and good bloom every year are some of the qualities which make this variety a prize-winner. An almost perfectly black Iris with a lustrous, silky sheen and an intense depth of color never before seen. **75c.**

## Ground Cover Plants

Prices f.o.b. Western Springs, Ill. Postage additional 34c for 3 plants; 70c for 10 plants, up to 300 miles.

### HARDY ENGLISH IVY

**HEDERA HELIX BALICA.** A graceful evergreen vine that has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places and makes an excellent ground cover. **2 1/4 in. pots, 3 for \$1.75;** 10, **\$6.00;** 100, **\$40.00.**

### DWARF LACE PLANT

**POLYGONUM REYNOUTRIA.** A new ground cover plant, growing 4 to 8 inches tall, that does best in full sun. Very hardy and grows quite rapidly from underground runners. The pale green foliage turns brilliant red in fall. Fleecy-like pink sprays of flowers, not unlike the Silver Lace Vine, are produced in September. Plant 18 inches apart. Each **\$1.00;** 3, **\$2.10;** 10, **\$6.50.**

### JAPANESE SPURGE

**PACHYSANDRA TERMINALIS.** An excellent ground cover plant, growing 4 to 6 inches tall, that is unsurpassed where an evergreen carpet is required, especially in shady areas, where grass will not grow. Does well under trees, shrubs or evergreens or on steep terraces. Spring flowering bulbs may be planted in it. Plant 6 to 12 inches apart. Potted plants, 3, **\$1.50;** 10, **\$4.00;** 100, **\$35.00.**

### WINTERCREEPER (Euonymus)

**PURPLELEAF WINTERCREEPER (E. RADICANS COLORATA).** Named for its winter foliage. Plant an excellent ground cover; glossy green in summer. **2 1/2 in. pots, 3, \$1.75;** 10 for **\$6.00.**

**BIGLEAF W. or EVERGREEN BITTERSWEET. (E. RAD. VEGETUS):** Evergreen trailer with round, thick leathery leaves; gorgeous orange berries in winter. Very handy; does well in sun or shade. Handsome among evergreens or as a ground cover or will climb on brick or stone. Illustrated below. Strong potted plants, 10 to 15 in., **\$1.50;** 3, **\$4.00.**



# Flowering Trees and Shrubs



BUDDLEIA (Butterfly Bush)

## All Prices are F.O.B. Our Nurseries, Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B. & B. indicates "Balled and Burlapped." (No Nursery Stock Shipped C. O. D.)

### ALMOND (Prunus)

**DOUBLE PINK FLOWERING ALMOND (PRUNUS GLANDULOSA SINENSIS).** 4 to 6 ft. These bushy shrubs never fail to produce in early spring, before the leaves appear, a profusion of small, very double pink, rose-like flowers that are closely set along the branches. 2 to 3 ft. \$1.50; 3 for \$4.20.

### BARBERRY (Berberis)

**GREEN LEAVED BARBERRY (B. THUNBERGI).** 4 ft. Popular hedge plant. Scarlet berries in fall and winter. 18 to 24 in., \$1.00; 3, \$2.25; 10, \$7.00; 100, \$62.50.

**MENTOR BARBERRY (B. MENTORENSIS).** 3 ft. (Patent No. 99). It is extremely hardy and is able to withstand intense heat and drought without wilting or burning. Its foliage is heavy and thick and remains green until after the holidays. 15 to 18 in., \$1.15; 3, \$3.00; 10, \$9.50; 100, \$65.00.

**RED-LEAVED BARBERRY (B. THUN. ATROPURPUREA).** 4 ft. The foliage is a rich, bronzy red all summer. Plant in full sun to develop its coloring. 18 to 24 in., \$1.10; 3, \$2.85; 10, \$9.00.

### BEAUTYBUSH (Kolkwitzia Amabilis)

6 to 8 ft. A graceful shrub that is well named, for it is one of the most beautiful in our Nursery. It makes a wonderful showing in June when its long arching branches are usually completely covered with masses of pink snapdragon-like flowers. A hardy and reliable shrub for better home and landscape plantings. 2 to 3 ft., \$1.65; 3 for \$4.50.

### BIRCH (Betula)

**EUROPEAN WHITE BIRCH (B. ALBA).** 30-40 ft. Of very upright habit with beautiful white bark. Foliage small and finely toothed. 8 to 10 ft., \$5.75; 3 for \$16.20; 5 to 6 ft. clumps., \$6.50; 6 to 8 ft. clumps., \$8.50.

**CUT-LEAVED WEEPING BIRCH (B. PENDULA GRACILIS).** 30-40 ft. An unusually graceful drooping tree, with deeply cut foliage and silvery white bark at maturity. 8 to 9 ft., \$8.50; 3 for \$24.45.

### BRIDALWREATH (Spiraea)

**S. VAN HOUTTE.** 5 to 6 ft. One of the most beautiful and useful shrubs. 2 to 3 ft., \$1.10; 3 for \$3.00; 3 to 4 ft., \$1.35; 3 for \$3.60; 10 for \$11.50.

### DWARF BURNING BUSH

**EUONYMUS ALATUS COMPACTA.** 4 to 6 ft. Bark cork-like and curiously winged; leaves small; fruit red, in autumn, foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 18 to 24 in., \$2.75; 3 for \$7.50.

### BUSH CHERRY (Prunus Besseyi)

**HANSEN'S IMPROVED.** 4 to 5 ft. Hardy cherry with edible fruit resembling a small plum, massed in clusters from the ground up; fragrant white flowers in spring and beautiful silvery green foliage which turns rich red and gold in fall. 2 to 3 ft., \$1.10; 3 for \$2.70; 10 for \$8.50.

## FOUR NEW BUDDLEIAS \$3.45 (BUTTERFLY BUSHES OR SUMMER LILACS)

One each of those listed below.

The long tapering spikes thickly covered with minute tubular flowers of pleasing fragrance bloom during July and continue until frost. Excellent for cut-flowers. The stalks die to the ground each winter but come up vigorously again in the spring.

**DUBONNET.** 4 ft. The color, matches that of the French Dubonnet wine, glowing red in the sun

**FASCINATING.** 4 ft. A glorious variety, bearing elegant, extra long sprays of orchid-pink blooms.

**ORCHID BEAUTY.** 3 to 4 ft. Individual florets fringed; color soft cattleya-lilac with brilliant orange eye.

**ROYAL PURPLE.** 3 to 4 ft. Very shapely, extra long, full spikes of brilliant, glowing red-purple color.

Prices of above, field grown, each \$1.00; 3 for \$2.85.

### CHINESE ELM HEDGING

**ULMUS PUMILA.** It forms a beautiful, dense, impenetrable hedge with small dark green foliage. It can be kept low-growing and clipped, or can be used where immediate screening effects are desired. For hedge purposes, plant seedlings 12 to 18 inches apart. 2 to 3 ft. seedlings, not transplanted, 10, \$2.00; 50, \$7.50; 100, \$13.50.

### COTONEASTER ACUTIFOLIA

**PEKING COTONEASTER.** 5 to 10 ft. Small leathery leaves of rich glossy green on willowy brown branches closely set with small pink flowers in May; jet black berries in fall. It is a beautiful shrub and makes one of our finest hedges due to its upright growth and adaptability to dry situations. Can be trimmed like Privet. Recommended in the North where hedge plants must be extremely hardy. 2 to 3 ft., \$1.25; 3 for \$3.45; 3 to 4 ft., \$1.50; 3, \$4.20; 10, \$13.50.

### FLOWERING CRAB (Malus)

**ALMEY.** 10 to 15 ft. Huge dollar size blooms of glistening, fiery crimson with white star-like markings at base of each petal. Small scarlet fruits cling to the branches long into the winter. This vigorous, fast growing tree usually blooms the second year after planting and is really sensational. 4 to 5 ft., \$4.50.

**BECHTEL'S DOUBLE FLOWERING CRAB.** 10 to 15 ft. Trees of medium size are covered in early spring with large, beautiful, double fragrant flowers resembling small roses of a delicate pink. 4 to 5 ft., \$4.50, 3 for \$12.75.

**ELEY CRAB (M. ELEYI).** 10 to 15 ft. Red foliage in spring later turning to bronze green. Produces clusters of wine red flowers and fruits of a dark red color. 4 to 5 ft., \$3.50; 3 for \$9.75.

**ROSE FLOWERING CRAB (M. HOPA).** 15 to 20 ft. Very hardy and one of the most beautiful of all flowering trees. Produces quantities of very large, deep rose-colored flowers followed by large edible fruits; distinctly red fleshed. 4 to 5 ft., \$3.50.

### DOGWOOD (Cornus)

**PINK FLOWERING DOGWOOD (C. FLORIDA RUBRA).** 15 ft. A small, upright tree that produces large deep rose-colored flowers in early spring. Very showy. 2 to 3 ft. B & B, \$7.50; 3 for \$21.45.

**WHITE FLOWERING DOGWOOD (C. FLORIDA).** Similar to above, but flowers are white. 2 to 3 ft., B & B \$6.50; 3 for \$18.45.

**REDWING DOGWOOD (C. ALBA SIBIRICA).** 6 to 10 ft. Bright coral-red branches. 2 to 3 ft., \$1.10; 3 for \$3.00; 3 to 4 ft., \$1.45; 3 for \$4.05.

### FIREBUSH OR FLOWERING QUINCE

**CYDONIA JAPONICA.** 4 to 5 ft. Brilliant orange-scarlet flowers in April, followed by yellowish green, quince-shaped, fragrant fruits. 18 to 24 in., \$1.25; 3 for \$3.45.

### GOLDEN BELL (Forsythia)

**SHOWY BORDER GOLDEN BELL (F. INT. SPEC.)** 6 to 8 ft. Its large, rich, yellow blossoms completely cover the wide spreading branches in early spring. 3 to 4 ft., \$1.50; 3 for \$4.05; 10 for \$13.00.

**SPRING GLORY.** 5 to 8 ft. The loveliest of all Golden Bells and the most prolific, its attractive large pale yellow flowers completely covering the bushes in early spring. 2 to 3 ft., \$1.65; 3 for \$4.50.

### HAWTHORN (Crataegus)

**PAUL'S DOUBLE SCARLET (C. OXY. SPLENDENS).** 12 to 15 ft. Very showy blossoms of bright scarlet color, large, full and very double. 4 to 5 ft., \$5.00.

### HONEYSUCKLE (Lonicera)

**PINK BUSH HONEYSUCKLE.** 9 to 10 ft. One of our best shrubs for screen and border plantings. 2 to 3 ft., \$1.10; 3 for \$3.00; 10 for \$9.50.

**ZABEL RED H. (L. KOROLKOWI ZABELI).** 10 ft. A dense upright growing shrub. This variety produces a grand display of red flowers in spring followed by red fruits in summer. It is probably the darkest colored bush honeysuckle. 2 to 3 ft., \$1.25; 3 for \$3.45; 10 for \$11.00.

### KERRIA

**JAP. PLENIFLORA. (DOUBLE KERRIA).** 4 to 5 ft. Its slender green branches are attractive all winter. Leaves light green, yellow in autumn. Showy, bright double yellow flowers from June to September. 2 to 3 ft., \$1.75; 3 for \$4.75.

## VAUGHAN'S NURSERY PRICE LIST

Listing our complete assortment of ornamental shrubs, shade trees, evergreens, small fruits, and fruit trees will be sent free on request. Ready about March 1st.

### HYDRANGEA

**BLUE HYDRANGEA.** 2 ft. Blooms of deep and intense blue last for a long time in late summer. Will grow in sun or light shade. Protect during winter in colder climates. Use a little alum when planting to assure the best color. 2 yr., \$2.00; 3 for \$5.55.

**PEEGEE HYDRANGEA (H. PANICULATA GRANDIFLORA).** 8 to 10 ft. Immense panicles of bloom a foot long, white turning to rose, commencing to bloom in August. 18 to 24 in., \$1.25; 3 for \$3.30.

**SNOWBALL HYDRANGEA (H. ARBORESCENS GRANDIFLORA).** 4 ft. Large, flat heads of snow-white flowers in June and July. Thrives in shade, 18 to 24 in., \$1.35; 3 for \$3.60; 10 for \$11.50.

**OAK-LEAVED HYDRANGEA (QUERCIFOLIA).** 3-5 ft. Large deep green leaves shaped like those of Oak tree. Will stand shade and smoky, dusty city conditions. Flowers pinkish white borne in upright clusters in June. 18 to 24 in. \$2.00; 3 for \$5.50.

### LILAC SPECIES

**COMMON PURPLE LILAC.** 12 to 15 ft. The old-fashioned Lilac. Hardy and vigorous. Purple flowers early in May. 2 to 3 ft., \$1.35; 3 for \$3.75; 10 for \$12.00; 3 to 4 ft., \$1.65; 3 for \$4.50.

**PERSIAN PURPLE (SYRINGA PERSICA).** 8 to 10 ft. Free flowering, graceful, purple-lavender flowers. 2 to 3 ft., \$1.25; 3 for \$3.30; 10 for \$10.50. 3 to 4 ft., \$1.60; 3 for \$4.35; 10 for \$14.00.

### FRENCH HYBRID LILACS

#### FOUR BEAUTIFUL VARIETIES

**BELLE DE NANCY.** Large double satiny rose; white center. Free blooming; fragrant.

**CHARLES JOLY.** Double flowers of dark, wine-red with silvery reverse. One of our very finest Lilacs 18 to 24 in., \$1.75; 3 for \$4.80; 2 to 3 ft., \$2.50.

**MME. LEMOINE.** Double pure white flowers, borne in large clusters. One of the best.

**PRES. GREVY.** Considered by many as the most satisfactory of the blue Lilacs. Giant, pyramidal clusters of double flowers of clear, soft, blue.

Prices of above, except where noted: 18 to 24 in., \$1.50; 3 for \$4.20; 2 to 3 ft., \$2.25; 3 for \$6.00.

**SPECIAL OFFER NO. 844.** One each of above 4 Lilacs, 18 to 24 in. (value \$6.25) for \$5.25, 2 to 3 ft. (value \$9.25) for \$7.25.

### MAGNOLIA

**SAUCER MAGNOLIA (M. SOULANGEANA).** 20 ft.

Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup shaped, rosy pink when in bud. A full-sized tree is a bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B & B., \$10.50; 3 to 4 ft., B & B., \$12.50.

### MORAIN LOCUST (Patent No. 836)

80 to 100 ft. New. A near-perfect shade or street tree. It is a selected form of the Honeylocust that is thornless and seedless and grows more rapidly, as fast as the soft maple or Chinese elm, but is definitely hard wood. We highly recommend it. 5 to 6 ft., \$6.00; 6 to 7 ft., \$8.00; 7 to 8 ft., \$10.00.



MORAIN LOCUST

# for the Home Landscape



## CRIMSON KING MAPLE

**ACER PLAT. SCHWEDELRI NIGRA.** (Pat. No. 735) 40 to 60 ft. This magnificent Crimson Maple is the King of ornamental trees and it has created a sensation wherever grown. It is a perfected form of the Schwedler Maple, having foliage of deep maroon-purple all through the summer months. The tips of the branches and new foliage are a lighter shade and glisten beautifully in the sun, giving the impression of a tree in bloom. As this tree is a sell-out each season, no large sizes are available, but planted now, the trees will start branching the first summer and increase in beauty each year. Very hardy and easy to grow. 7 to 8 ft., \$8.50.

## MOCK ORANGE (*Philadelphus*)

**BELLE ETOILE. (FRAGRANT STAR MOCKORANGE).** 5 ft. Here is an unusual and extra choice variety with very large, star-like flowers, petals of milk-white with a purple blotch in center. It is very sweet scented and its intense fragrance will scent up your entire garden. Makes a very showy, bushy plant. 18 to 24 in., \$2.00; 3 for \$5.50.

**COMMON MOCK ORANGE.** 7 to 10 ft. The free flowering single white found in the old-fashioned gardens; of rapid growth, forming a large bush. 3 to 4 ft., \$1.50; 3 for \$4.20; 10 for \$13.50.

**LEMOINEI (LEMOINE MOCKORANGE)** 4-5 ft. A charming variety of erect growth; creamy white fragrant flowers smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 18 to 24 in., \$1.00; 3 for \$3.00; 2 to 3 ft., \$1.25; 3 for \$3.45.

**MINNESOTA SNOWFLAKE.** (Pat. No. 538). 8 ft. This lovely mockorange produces a profusion of pure snow-white flowers that are extremely double and intensely fragrant. It is very hardy, vigorous, bushy, has good foliage and is excellent for specimen plantings. 2 to 3 ft., \$1.65; 3 for \$4.50.

**VIRGINALIA.** 7 to 8 ft. One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet being completely covered with large double or semi-double crested flowers that are pure white and sweet-scented. It has a long blooming period, the new wood producing throughout the summer, large single or semi-double flowers, often 3 inches wide. 2 to 3 ft., \$1.50; 3 for \$4.20; 3 to 4 ft., \$1.75; 3 for \$4.80; 10 for \$15.50.

## EUROPEAN MOUNTAIN ASH

**SORBUS AUCUPARIA.** 25 to 30 ft. A handsome tree with compound leaves of dark green; golden yellow in autumn. The white flowers are followed in fall by large clusters of bright red berries. 6 to 8 ft., \$6.00; 3 for \$17.25.

## NINEBARK (*Physocarpus*)

**P. OPULIFOLIUS NANA.** 5 ft. One of our finest low-growing hedge plants. Dense, upright growth, it requires little shearing. The leaves are small, three to five lobed, and in color are dark, glossy green. Ideal for growing in shady places or in full sun. 2 to 3 ft., \$1.25; 3 for \$3.30; 10 for \$10.50.

**P. OPULIFOLIUS AUREUS. (GOLDEN LEAVED NINEBARK)** 9 to 10 ft. A fine variety with golden yellow tinted foliage; white flowers in June are followed by attractive, five-lobed, reddish capsules which are changing color all summer. 3 to 4 ft., \$1.50; 3 for \$4.20.

## POTENTILLA GOLD DROP

2 to 2½ ft. A really choice small compact shrub for planting in sunny locations. Plants are densely covered with small fernlike leaves and bright golden yellow, buttercup like flowers from early June to October. Very hardy. 18 to 24 in. \$2.00; 3 for \$5.50

## PLUM (*Prunus*)

**BLIRIEANA (PURPLE-LEAVED FLOWERING PLUM)** 12-15 ft. Semi-double rose pink flowers on long slender branches before the leaves appear. Foliage heavily tinged with bronze. 4 to 5 ft., \$3.75.

**THUNDERCLOUD PURPLE-LEAF PLUM.** 12 to 15 ft. A small three shrub. The leaves when young, are lustrous crimson, changing to a dark purple and they retain this beautiful tint until they drop, late in autumn. 4 to 5 ft., \$3.75; 3 for \$10.50.

**TRILOBA (DOUBLE-FLOWERED PLUM)** 7-8 ft. Flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May, before the leaves unfold 2 to 3 ft., \$1.75; 3 for \$4.80.

## PRIVET HEDGE (*Ligustrum*)

**AMUR PRIVET (L. AMURENSE).** 12 ft. One of the best hardy hedge plants. May be sheared to any extent 18 to 24 in., 10 for \$4.00; 100 for \$35.00; 2 to 3 ft., 10 for \$5.00, 100 for \$45.00; 3 to 4 ft. 3 for \$2.00; 10 for \$6.50; 100 for \$60.00.

## JETBEAD (*Rhodotypos*)

4 to 5 ft. This handsome useful shrub will thrive in dry, shaded locations, in smoky cities, under trees and on the north side of buildings. Single white flowers like mockorange blossoms, borne in May, are followed by shining black berries which persist throughout the winter. 2 to 3 ft., \$1.50; 3 for \$4.20.

## GOLDEN ROSE OF CHINA

**ROSA HUGONIS.** 6 ft. Excellent hardy rose that makes a spectacular show when its long arching branches are thickly set with lovely single yellow flowers in May. 2 yr., \$1.50; 3 for \$4.25.

## ROSA MULTIFLORA - FENCE ROSE

6 to 8 ft. The white or light pink flowers mature into bright red berries which attract game and song birds. The shrub is armed with sharp thorns and makes a stock tight hedge as wide as tall. Seedlings. 12 to 15 in., 1/4 in. caliper at crown, 50 for \$7.00; 100 for \$12.00; 500 for \$50.00.

## ROSE OF SHARON

**HIBISCUS SYRIACUS OR SHRUBALTHEA.** 6 to 12 ft. An upright shrub, blooming in August and September. The flowers resemble those of the hollyhock, and are very showy. Double pink, purple, white or red. 2 to 3 ft., \$1.30; 3 for \$3.60.

## SNOWBALL (*Viburnum*)

**GARDENIA-SCENTED SNOWBALL (V. BURKWOODI).** 5 ft. Fast growing, semi-evergreen and bears its very fragrant, waxy, pinkish-white flowers in round, domed clusters in early spring. Glossy green foliage brilliantly tinted in autumn. 18 to 24 in., \$3.50

**OLD-FASHIONED SNOWBALL (V. OPULUS STERILE).** 8 to 10 ft. Large balls of white flowers in May. 2 to 3 ft., \$1.35; 3 for \$3.75; 3 to 4 ft., \$1.75; 3 for \$4.80.

## EVERBLOOMING SPIRAEA

**S. FROEBELI.** 3 ft. Round, flat clusters of rosy-pink flowers from June to October. Beautiful foliage all season. One of our best low growing shrubs for general use and for flowering hedges. 18 to 24 in., \$1.25; 3 for \$3.30; 10 for \$10.50; 24 to 30 in., \$1.50; 3 for \$4.05; 10 for \$13.00.

## SWEETSHRUB

**CALYCANTHUS FLORIDUS.** 3-6 ft. Does well in partial shade. The wood and leaves have a spicy fragrance when crushed. The rare, chocolate colored flowers have a pleasing fruit scent. Blooms in June and throughout the summer 18 to 24 in. \$1.50.

## TAMARIX PETANDRA

8 to 10 ft. Magnificent variety with pink flower spikes that appear all during the summer. Foliage gray-green, light and feathery as that of the asparagus 3 to 4 ft. \$1.50; 3, \$4.20.

## WEIGELA (*Dievilla*)

**BRISTOL RUBY.** (Patent No. 492) 6 ft. Blooms profusely in June and early July and occasionally later in the season. Color in effect is soft ruby-red shading to garnet-crimson. Vigorous grower forming a nice, compact bush. 2 to 3 ft., \$1.75; 3 for \$4.75.

**ROSEA W. (PINK)** 5-6 ft. Covered in June with an abundance of large rose pink flowers. A vigorous sort of erect, compact growth. 3 to 4 ft., \$1.50; 3 for \$4.20.

## WILLOW (*Salix*)

**NOBIE WEEPING WILLOW (S. NOBIE).** 30 to 40 ft. Wavy, bright green foliage borne on slender, pendent branches. 6 to 8 ft., \$3.50; 3 for \$9.75.



## HYBRID BLUEBERRIES

**HIGHLY ORNAMENTAL PLANTS—DELICIOUS FRUITS.** 3 to 5 ft. Beautiful all year. The foliage is a deep, rich green in summer, turning to a beautiful crimson in fall, and all winter the twigs are bright red. Excellent for planting with Evergreens or Broad-leaved Evergreens, as they require an acid soil. Large clusters of beautiful blue fruits, plump, meaty, tender and practically seedless. Flowers are not self-fertile and therefore we sell only in units of 3 different varieties, 3-year clumps, 3 for \$4.80; 6 for \$9.00

## DWARF FRUIT TREES

These dwarf trees have low broad heads so that fruit can easily be picked and they take up little room in the garden or on the lawn. They usually bear good crops within 3 or 4 years and the fruit is of extra high quality. Plant 8 feet apart, and each spring trim off one-third to one-half of the previous season's growth.

**DWARF APPLES.** Delicious, McIntosh or Yellow Delicious. 2 yr., 3 to 4 ft., \$3.50; 3 for \$9.75.

**DWARF CHERRY NORTH STAR.** Large, luscious sour cherries on small sized, productive self-fertile tree. Wonderful for pies. It was bred in Minnesota so is extra hardy 3 to 4 ft., \$3.95.

**DWARF PEARS.** Bartlett, 2 yr., 3 to 4 ft., \$3.50; 3 for \$9.75.

## QUINTUPLET APPLE TREE

**5 KINDS OF APPLES ON ONE TREE.** This is the ideal tree for the small yard. 5 different varieties are grafted on the main stock of one tree, which will give you good apples for summer, fall, and winter. 2-year, 4 to 5 ft., 1 1/2 in. caliper \$3.95 each; 3 for \$11.25.

## SMALL FRUITS

All Prices F.O.B. Western Springs, Ill. (If wanted by mail, add postage, approximate weight 10 plants, 5 lbs.; 25 plants, 10 lbs.; 50 plants, 20 lbs.)

## BOYSBERRY

**(THORNLESS).** Huge berries of rich purplish maroon. Very sweet; delicious flavor; few seeds. Price, 3 for \$1.25; 10 for \$2.75; 25 for \$6.25.

## RASPBERRIES

Price, except where noted, 3 for \$1.00; 10 for \$2.25; 25 for \$4.75; 50 for \$8.00.

**CUMBERLAND (BLACK).** Extra large, oval, rich and juicy. Good quality; very productive.

**INDIAN SUMMER.** The Best Everbearing Red Raspberry. Large berries of high quality ripen early and then produce a second crop in Sept. and Oct. Price, 3 for \$1.25; 10 for \$2.50; 25 for \$5.00.

**LATHAM (RED).** Berries are immense, dark red in color and well flavored. Extremely hardy.

## GRAPES

Price, 2 yr. No. 1 each, 75c; 3 of one kind for \$1.75; 10 for \$5.00.

**CACO (RED).** The most beautiful of the hardy grapes. Bunches large and compact, fruit sweet and palatable weeks before fully ripe.

**CONCORD (BLACK).** The most popular grape in America. Large, handsome bunches of large, luscious berries; juicy, sweet and tender.

**FREDONIA (BLACK).** The earliest good black grape, ripening about three weeks before most varieties. Clusters medium; berries large, of very good quality.

**PORTLAND (WHITE).** This is the earliest of all grapes. Large in bunch and berry; flesh sweet, juicy and of fine color. Hardy, vigorous, productive.

## SPECIAL OFFER No. 854D.

One each of grapes Caco, Concord, Fredonia and Portland 2 yr. (value \$3.00) for \$2.15. (Postage additional 35c up to 300 miles).

# Plant Food and Soil Conditioners

**F-2036 BALANCED ROSE RATION.** 7-8-5. A high organic 100% no filler food of Dried Blood, Fish Scrap, Bone Meal, Potash, Cotton Seed Meal and powdered Tobacco (as aid in wire worm control) and well cured neutral Super Phosphate. Can be used on all garden plants.  
5 lb. bag, 95c; 10 lbs., \$1.45  
25 lbs., \$3.25; 100 lbs., \$9.75

**F-2025 LOMA.** Analysis: 5-10-5. Beautifies lawns and gardens; a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in nitrate, phosphate and potash; contains no filler.  
5 lbs., 55c; Postpaid 85c.  
10 lbs., 95c; Postpaid \$1.45.  
25 lbs., \$1.85;  
50 lbs., \$3.20; 100 lbs., \$5.25.

**F-2027 MURIATE OF POTASH.** Should be used liberally, especially for all root crops. 25 lbs., \$2.50;  
50 lbs., \$4.25; 100 lbs., \$6.75.

**F-2018 INSTANT VIGORO.** 19-28-14. A completely water soluble plant food made by Swift & Co., containing all the food elements needed by growing plants which is 100% soluble. It can be applied in liquid form to feed plants through both leaves and roots. Recommended for all plant feeding from lawns, shrubs and gardens to house plants. 8 oz. can, 80c; prepaid, 90c; 16 oz. can, \$1.25; prepaid, \$1.40; 3 lbs. can, \$3.00; prepaid, \$3.25; 25 lb. drum, \$13.35; express collect.



**F-2030** Fertilizer with a peat-moss base impregnated with a high grade manure. Per 50 lb. bag, \$3.25; 5 bags for \$12.50; 10 bags for \$24.00.

**J. M. T. C.**

**ORG-A-NUR**  
ALL-ORGANIC-MANURE

**S-430 HYPODEX PLANT FOOD.** Can be used in dry or liquid form; teaspoonful makes 1 gallon. Contains Vitamin B1. Analysis: 7 percent nitrogen; 6 percent phosphoric acid; nineteen percent potash. 3 oz. tin, 25c; postpaid 35c; 1 lb., \$1.00, postpaid \$1.15; 10 lbs., \$8.00; 25 lbs., \$15.00; 50 lbs., \$25.00; 100 lbs., \$40.00

**S-429 HY-GRO.** Analysis: 13-26-13. The soluble plant food and starter solution. 3 oz., 25c; postpaid 35c; 2 lbs., \$1.75; postpaid, \$2.10; 10 lbs., \$5.25; postage extra.

**F-2019 KAPCO.** All soluble fertilizer 15-30-15, for liquid feeding with added minor elements. Price, 25 lbs., \$7.50; 80 lbs., \$20.00

**F-2002 ALUMINUM SULPHATE.** For creating acid condition in the soil. 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50; 100 lbs., \$6.25

**F-2011 ESMINEL.** Can be used to mineralize your garden. Can also be added to fertilizers used for truck crops, lawns, shrubs, trees, etc. This adds the necessary minor elements such as Manganese, Boron, Magnesium, etc. Price, 5 lb. pkg., \$1.50; postpaid, \$1.75; 100 lb., \$13.50

**S-451 FULTON'S PLANTABS.** Odorless plant food in tablet form, supplies a completely balanced plant food including Vitamin B-1. Per box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; postpaid. Large size approximately 1,000 tablets, \$3.50.



**F-2024 LIME PHOSPHATE, RUHM'S** Nature's source of phosphorus. The most phosphate at lowest unit cost. 80 lbs., \$3.50; 480 lbs., \$10.80; 960 lbs., \$20.50; 2,000 lbs., \$34.50.

**S-454 RA-PID-GRO.** All-Soluble Plant Food. Analysis 23-21-17. For African violets, house plants, flower gardens, vegetable gardens and everything that grows. All soluble. Complete instructions on each package. 2 oz. 35c, postpaid; 8 oz. 69c, postpaid; 1 lb. \$1.25; 2 lbs. \$2.35; 5 lbs. \$4.50; 10 lbs. \$8.75; 25 lbs. \$21.00 and 50 lbs. \$42.00. Add postage to sizes where we do not specify postpaid.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50 and 100 lb. lots. On larger quantities than 100 pounds, owing to close quantity prices the customer pays all freight or express charges.

## LONG-LASTING PLANT FOOD RICH IN ORGANICS

**F-2014 GROGANIC.** Research has proved that plants respond to food elements which are found in both mineral and organic forms. Those derived from minerals are effective quickly, and in soil temperatures too low for bacterial activity. Organics become available to plants more slowly, and require warm soil and bacteria to release their food content completely.

By combining mineral and organic elements, long-lasting nutrient can be provided. Groganic contains no filler whatever. Bulk is provided by dried blood, fish scrap, castor pomace and vegetable meal, all relatively expensive, which break down slowly. Boron is added to correct acidity and manganese sulphate to prevent chlorosis (yellowing) in leaves. Chemical nitrogen, phosphorus and potash are added—all quick acting and stimulating growth in early spring.

The analysis of Groganic is 6-11-6, 6% nitrogen, 11% phosphorus, 6% potash. An application of 15 lbs. per 1,000 square feet will provide continuous feeding effective in 10 days and lasting 300 days. 5 lbs., 85c; postpaid, \$1.20; 10 lbs., \$1.35; postpaid, \$1.95; 25 lbs., \$3.25; 80 lbs., \$7.45.

If the kind of plant food which you prefer is not listed, ask us for a price in quantities of 100 lbs. or more, F.O.B. Chicago, Ill.

**F-2035 RHODO-AZALEA FOOD.** 3-20-3. 5 lb. package, each, 95c; postpaid \$1.35; 10 lbs., \$1.45; postpaid \$1.95.

**F-2040 SULPHATE OF AMMONIA.** Price, 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.75; 50 lbs., \$3.75; 100 lbs., \$6.50. Add postage on 5 and 10 lb. Pkgs.



## VAUGHAN'S PEAT MOSS IMPORTED HORTICULTURAL GRANULATED

**S-1803** A moisture-retaining humus. An important aid to soil fertility, prevents the formation of hard top crust and fungus growth. Home garden size bag, about 25 lbs., \$2.95; half of large bale, approximately 50 lbs., \$4.25; large bale of about 100 lbs., contains approximately 15 bushels of loose peat before bales are compressed, \$6.25.

## VAUGHAN'S BONE MEAL

**F-2005** This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Our Bone Meal has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 2 percent, total phosphoric acid, 22 percent. 5 lbs., 85c, postpaid, \$1.10; 10 lbs., \$1.45, postpaid \$1.85; 25 lbs., \$2.95; 100 lbs., \$7.85; 500 lbs., \$30.00.

**S-401 ACTIVO** (Formerly Bacto). Make your own fertilizer easy, in as little as three weeks. Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets reduces odors, makes easily handled ash of waste. No. 2 size, \$1.00, postpaid \$1.20; treats 450 lbs. compost; No. 7 size \$2.70, postpaid \$2.95; treats up to 1800 lbs.; No. 20 size \$5.95; treats up to 2 tons compost. No. 50 size drum, \$11.95; treats 6 tons compost.

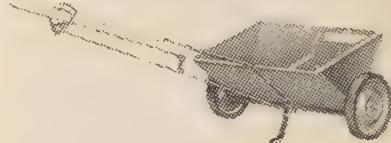
**S-228 KRILIUM.** Soil Conditioner. Conditions soil in the garden, for new lawns, for shrubs or planting boxes. 5 lbs. will treat about 100 sq. ft. 3 inches deep, or 600 ft.  $\frac{1}{2}$  inch deep. The price of 1 lb. \$1.39, postpaid \$1.55; 5 lbs. \$4.95, postpaid \$5.35.

**S-344 KRILIUM** (Loamaker). Highly concentrated 100% active. Treats five times as much area as regular KRILIUM. 10 lb. canister \$25.00, 25 lb. fiberpak drum, \$58.75, \$50 lb. fiberpak drum, \$112.50.



**S-402 ADCO ARTIFICIAL STABLE MANURE.** To make it yourself, to each ton of straw, hay, cornstalks or dried leaves add 150 lbs. of Adco. This makes four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. 5 lb. bag, \$1.65. 20 lbs., \$3.85; 150 lbs., \$19.95. Write for booklet.

## SALEM FERTILIZER SPREADERS



Will spread any kind of commercial fertilizer, grass seeds, foot rest and selective feed control and automatic shut-off. 20 and 30 inch models equipped with finger tip control. **S-517** 16 inch hopper capacity about 20 lbs., price each, \$8.25; **S-518** 20 in. hopper capacity about 40 lbs., each, \$12.75; **S-519** 30 in. hopper capacity about 80 lbs., each, \$19.50. **S-520** Super Heavy 36 in., hopper capacity over 125 lbs., each \$39.50.

## PRECISION LAWN SPREADER SAVES MONEY AND TIME



A good lawn spreader quickly repays its cost in the time and materials it saves, by easily performing such tasks as distributing plant food, weed killers, top dressing, evenly and economically over the whole lawn area. In sowing grass seed with precision it can make one pound do the work of two or three times as much when sown by hand. For precise control and lasting service the Master spreader is unsurpassed.

**S-513 No. 25-D.** 18 inch spread with rubber tires and tubular handle with rubber grip, each \$9.95.

**S-509 No. 30.** 18 inch spread, 50 lb. capacity, with rubber tires and rubber grip handle, price, each, \$12.75.

**S-505 No. 361-D.** 36 inch, with rubber tire wheels, price, \$53.25.

**S-506 No. 361S.D.** 36 inch, stainless steel agitator and bottom with semi pneumatic tires, each, \$63.95.

**S-510 Model 40** (24" spread—Tubular T handle with two rubber grips—rubber tires) price each \$19.75.

Models 25-D, No. 30 and No. 40 equipped with fertilizer miser control.

## SUDSBURY SOIL TEST KITS



Made by the maker of professional field test kits. Tests for nitrogen, phosphorus, potash and acidity. It will make at least three separate tests for each element. No technical skill required. Results of tests are apparent immediately. **S-809** The Sudsbury Home Gardener's Soil

Test Kit, complete with instructions. \$2.98; postpaid, \$3.20.

Testing Fluid for Refill—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires **S-788** No. 2 and **S-789** No. 3 to make Nitrogen Tests. **S-790** No. 4 and **S-791** No. 5 for Phosphorus Tests and **S-792** No. 6 and **S-793** No. 7 to make Potash Tests, therefore when ordering, please order two numbers. **S-787** Lime 2 oz., \$1.50; 6 oz., \$2.70; both postpaid.

**S-810 NEW CLUB MODEL KIT.** An advanced amateur will find this larger kit valuable. It contains material for many accurate tests, \$5.89; Postpaid \$6.20.

**S-808 HORTICULTURAL TEST KIT.** It contains material sufficient to make 60 individual tests, together with complete instructions and table of plant needs. Sudsbury Horticultural Soil Test Kit, \$14.95.

We prepay fertilizer orders within 25 miles of N.Y. City where orders amount to \$10.00 or over.  
Errata—Prices on fertilizers in our catalogue are F.O.B. Chicago.  
Following are New York prices.

# Vaughan's High Grade Fertilizers

These Prices Are Subject to Change Without Notice.

## VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the western prairies. Analysis: Nitrogen 3.7 percent; total phosphoric acid, 20 percent. Prices, 5 lbs., 95c; 10 lbs., \$1.75; 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$10.50.

**Regular Bone Meal.** 2.47% nitrogen, 20% phosphoric acid. 25 lbs., \$3.00; 50 lbs., \$5.00; 100 lbs., \$9.00.

## Activo. (Formerly called Bacto)

Make your own fertilizer easy, quick—often in as little as three weeks. Just sprinkle on kitchen waste, leaves, garden rubbish, sewage sludge, etc. 5-pound bag makes up to a ton of rich, soil-building organic humus, better than manure. Sprinkle in outdoor toilets; reduces odors, makes easily-handled ash of waste. Prices, No. 2 size, about 2 lbs., \$1.25; No. 7 size, about 7 lbs., \$2.75; No. 50 size, about 50 lbs., \$11.95; No. 100 size, \$19.95.

## Adco Artificial Stable Manure.

Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs. Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Prices, 5 lbs., \$1.50; 20 lbs., \$3.50; 150 lbs., \$20.00.

**African Violet Soil.** 1½ lb. plastic bag, soil sterilized and scientifically prepared for African Violets. 25c per bag. 35c postpaid. 4 lb., 50c per bag. 75c postpaid.

**Agrico.** Specially formulated for lawns, trees and shrubs. Provides ALL the needed plant foods—stimulating quick growth in early spring—providing slowly available plant food all season long. 6-10-4. Prices, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.70; 50 lbs., \$2.65; 100 lbs., \$5.00. (Prices subject to change.)

**Agrico Garden Fertilizer. 5-10-5.** 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.70; 50 lbs., \$2.40; 100 lbs., \$4.55. (Prices subject to change.)

**Agrico for Broadleaf Evergreens.** Agrico for Broadleaf Evergreens not only supplies the right balance of all the needed plant foods, but one that also builds up soil acidity, which is essential for best growth. It is specially formulated to do both jobs properly. Apply Agrico for Broadleaf Evergreens in early Spring, at the rate of 3 lbs. per 100 sq. ft. For flowering plants, make second application of 1 to 2 lbs. per 100 sq. ft., as soon as buds begin to appear. 10 lbs., \$1.15; 25 lbs., \$2.20; 50 lbs., \$3.00; 100 lbs., \$5.80. (Prices subject to change.)

**Aluminum Sulphate.** For creating acid condition in the soil. Prices, 5 lbs., 60c; 10 lbs., 90c; 25 lbs., \$1.60; 50 lbs., \$2.70; 100 lbs., \$4.85.

**Ammonium Sulphate.** 20.6% nitrogen. Prices, 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$3.25; 100 lbs., \$6.25.

**Armours Special Ornamental Fertilizer. 10-6-4.** Especially prepared for lawns, trees, shrubs and flowers. 100-lb. bags only, \$6.50 each.

**BONE, Raw Ground.** Excellent material for vine borders or greenhouse benching. Also all bulbs, indoors and outside. Fine for roses. High analysis. Prices, 25 lbs., \$3.00; 50 lbs., \$5.50; 100 lbs., \$9.00.

**Cow Manure Dehydrated (Bovung).** Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins. 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.75; 50 lbs., \$2.50; 100 lbs., \$4.50; 500 lbs., \$20.00.

## TERRA LITE

Is a prepared form of vermiculite, cleaned of all impurities which might injure plants, and of the correct size for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings. Price, 2 bu. bag, \$1.85; ½ bu. bag., 85c; 4 qt. bag, 45c.

**Blood, Dried.** For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Prices, 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.25.

**Bulb Food.** Potash where potash is needed (5-6-15). For Dahlias, Lily, Gladiola, etc. 5 lbs., 85c; 10 lbs., \$1.35; 25 lbs., \$3.00; 50 lbs., \$8.75 each.

**Orchid Gro.** A new Soluble Plant Food especially Formulated for Orchids and other Tender Plants. 14-Oz. jar each \$1.50.

**Crystal Urea.** A highly concentrated inorganic fertilizer containing 46 percent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Prices, 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.75; 50 lbs., \$5.50.

**Farmanure.** Nature's own fertilizer, is an ideal plant food combining poultry and cow manure with peat moss. Clean, soft and easy to use. 50 lb. bag will top dress 1000 square feet of lawn, or feed up to 500 square feet of garden area. Prices, 50 lb. bag, \$2.95 each; 5 to 19 bags of 50 lbs., \$2.50 each.

**Hy-Gro. 13-26-13.** The soluble plant food. The ideal plant food for starter solution and most economical way of feeding plants. 1 tablespoon to a gallon of water will feed 20 plants for six weeks. 3 oz., 40c; 1 lb., \$1.10; 2 lbs., \$1.40; 10 lbs., \$6.50. (Prices subject to change.)

**Hyponex Plant Food.** For growing plants in sand, soil or water. One teaspoonful will make a gallon of complete plant food. 1 lb. will make 100 gallons. Prices, 3 ozs., 30c; 7 ozs. 50c; 1 lb., \$1.00; 10 lbs., \$8.00.

**Muriate of Potash.** Should be used liberally, especially for all root crops. 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.00.

## SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.25; 500 lbs., \$20.00.

**Miracle-Gro For All Garden Plants** including roses, all flowers, all fruit trees and shade trees, all bushes, lawns, all vegetables, all berry plants, shrubs, vines and evergreens. Mix ONE tablespoon of Miracle-Gro to each gallon of clear water. 1½ lbs., \$2.25; 5 lbs., \$5.00. For best results, feed your plants once every 2 weeks.

**Nitrate of Soda.** 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50.

**Peat Moss, Granulated.** (Irish when available). A moisture-retaining humus, an important aid in saving soil fertility, better than manure. Large bale each, \$5.95, 5 for \$27.50. (Prices subject to change.)

**Plantahbs.** The high analysis plant food tablet containing the proper amount of Vitamin B1. Prices, box of 30 tablets, 25c; box of 75 tablets, 50c; box of 200 tablets, \$1.00; can of 1000 tablets, \$3.50.

**RA-PID-GRO** contains no inert materials (sand, coconut shells or brick dust). Every bit is 100% plant food and when applied in solution it is immediately absorbed by the plant roots. No waiting for weeks to obtain growth or color. RA-PID-GRO gets results in an amazingly short time. Prices of RA-PID-GRO, 1 lb., \$1.25; 2 lbs., \$2.35; 5 lbs., \$4.50.

**Rose Food G & O.** An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all purpose fertilizer which can be used on all flowers, shrubbery, etc. 5 lbs., 85c; 10 lbs., \$1.35; 25 lbs., \$3.00; 50 lbs., \$8.75 each.

**Triogen Rose Food.** A rose food made from organic (long lasting) and inorganic (quickly available) materials, for healthy, green foliage, sturdy plants and roots and better flowers. 5 lbs., \$1.00; 10 lbs., \$1.60; 25 lbs., \$3.00; 50 lbs., \$6.00.

**Sulphate of Potash.** 5 lbs., 80c; 10 lbs., \$1.35; 25 lbs., \$3.00.

**Super Phosphate.** 18%-20% available. Used on grain crops and others requiring an excessive amount of phosphoric acid. Prices, 5 lbs., 45c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.00; 500 lbs., \$13.00.

**Vigoro.** Is a specially prepared plant food. It contains all the elements necessary to grow flowers, lawns, vegetables, shrubbery and trees. Complete directions in every bag. Prices, 5 lbs., 55c; 10 lbs., 95c; 25 lbs., \$1.70; 50 lbs., \$2.80; 100 lbs., \$4.55.



# Sprays and Dusts

Except for items specifically priced as prepaid, postage should be enclosed with mail orders for insecticides, otherwise they will be shipped by express, at carrier's expense. See Page 98 for parcel post regulations and charges.

Weights—By Mail 1/2 pt., 1 lb.; pt., 2 lbs.; qt., 3 lbs.; etc. Prepaid prices are not specified, add 10 cents per lb. for postage; otherwise shipment will be by express charges collect.

## S-101 ACME ALL ROUND SPRAY.

For roses, shrubs, vegetables and flowers. Price per lb., \$1.10; 4 lbs., \$3.45. Add for postage.

## S-106 ACME ROTENONE GARDEN GUARD.

A strong, safe rotenone dust in 1-lb. shaker top cans. Each, 50c; postpaid, 70c; 4 lb. pkg. \$1.25. Postpaid \$1.65.

## S-102 ACME 6% CHLORDANE DUST.

For dusting in gardens and on lawns to control ants, cut worms, chiggers, wire worms, etc. Price per 1 lb. sifter top carton, each 60c; 4 lb. bag, \$1.50. Add for postage.

## S-144 45% CHLORDANE EMULSION CONCENTRATE.

Kills grasshoppers, roaches, ants and many other insects. 1 oz., 39c; 4 oz., 75c; 8 oz., 1.25; 1 pt., \$1.95; 1 qt., \$3.25; 1 gal., \$7.85.

## S-28 TREE TANGLEFOOT.

Perfect safeguard for trees against insects that climb the trunk.

Price, 6 oz. ea. 90c postpaid \$1.05; 1 lb. can, \$1.50; postpaid \$1.65; 5 lbs., \$7.00; 25 lbs., \$26.50.



## CHLORDANE

**S-143 CHLORDANE.** (Water Base—2% Chlordane). Especially for household uses. It is a non-staining, non-oily liquid with a delicate cedar aroma. Killing power lasts for weeks. ANTS, cockroaches, flies, water beetles, earwigs, carpet beetles, silverfish, moths destroyed. Pint, 69c postpaid 85c; quart, \$1.19; postpaid \$1.45.

## FUNGICIDES

**S-127 BORDEAUX MIXTURE** (Dry). The best fungicide for black rot, mildew, blight, leaf curl, scab or other fungal diseases. 1 lb. will make 5 gallons liquid. 1 lb., 55c; postpaid 70c; 4 lbs., \$1.45; postpaid, \$1.75

**S-109 FORMACIDE FORMALDEHYDE DUST.** Controls "damping off" of seedlings. 1 lb., 85c; 5 lbs., \$2.50

**S-230 MAGNETIC SPRAY** Wettable Sulphur. Can be used with other insecticides. 4 lbs. 75c, postpaid \$1.10; 24 lbs., \$4.20

**S-270 PHYGON XL.** For use on apples, stone fruits, tomatoes, beans and sweet potatoes. Price 2 oz., \$1.00; postpaid, \$1.15; 1 lb., \$3.00, postpaid \$3.20.

**S-119 ARASAN.** Reduces seed decay and damping-off. Destroys seed and soil-borne organisms. Price 1/2 oz., 25c; 8 oz., \$1.00, postpaid, \$1.15

**S-301 SEMESAN.** The universal seed disinfectant and plant stimulant. 1 oz., \$1.00; 12 oz., \$2.85; 25 lbs., \$72.65. Write for leaflets, stating for what purpose desired.

**S-302 SEMESAN BEL.** For Potatoes. 2 oz. tin, 50c; 1 lb., \$2.30; 4 lbs., \$7.50; 40 lbs., \$70.35

**S-138 NEW IMPROVED CERESAN.** 1 lb., \$1.30; 100 lbs., \$85.00

**S-23 TERSAN 75** for control of brown patch dollar spot, snow mold, etc. 1 oz., \$1.00, postpaid, \$1.15; 3 lbs., \$6.75

**S-3 SPERGON**—Seed Protectant. Kills the soil fungi and bacteria which cause damping off. 1/2, 50c, postpaid 65c; 5 oz., \$1.75, postpaid, \$1.90; 10 lbs., \$2.50, postpaid \$2.70; 10 lbs., \$20.00

**4 SPERGON WETTABLE POWDER.** \$2.25, postpaid, \$2.45

**5 VOLCK.** Summer oil spray for growing plants. Ants, scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. 4 oz., 50c, postpaid; 90c postpaid; 1 gal., \$3.00; 5 gals., \$9.95

**6 TRI-O-GEN DUST.** Three Way Rose Dust. 1 lb. canister, \$1.19, postpaid, \$1.35; 5 lbs., \$10. postpaid, \$10.40. Tri-o-gen Dust gun. 10 oz., 98c, postpaid, \$1.15.

**29 TRI-O-GEN.** Combined spray treatment fungicide-insecticide and plant stimulant. A complete protection against plant insects and diseases. E. kit trial size, \$1.50; A, small kit, makes 16 qts., \$2.35; B, medium kit, makes 4 qts., \$6.00; C, large kit, makes 32 qts., \$10.00; D, estate kit, makes 128 qts., \$30.00.

**S-223 ISOTOX GARDEN DUST.** Contains Lindane. An excellent garden dust for the control of Aphids, Japanese Beetles, Thrips, Caterpillars, Ants, Black Widow Spiders, etc. 1 lb. \$1.00, 5 lbs., \$3.75. Postage extra.



**S-193 FERMATE.** New fungicide gives improved control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snap-dragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 8 oz., 75c, postpaid, 90c; 3 lbs., \$3.50, prepaid for \$3.75; six pkgs. for \$19.50.

## S-339 ACME WET-TABLE DUSTING SULPHUR.

An improved dusting sulphur recommended to control Mildew, Leaf Spot, Black Spot, and Rust on rose bushes, chrysanthemums, snap-dragons and other foliage, also Red Spiders on Evergreens. Will control chiggers in the lawn. 2 lb. shaker top carton, 60c, prepaid, 80c.

## S-177 DRY LIME SULPHUR.

For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. 1 lb., 67c; postpaid 80c; 5 lbs., \$2.75; 12 1/2 lbs., \$3.75; 100 lbs., \$25.00.

## S-241 100% SOIL FUME ETHYLENE DIBROMIDE.

The newest and simplest method of fumigating soil against nematodes and wire-worms. "Just drop a capsule." 100 capsules \$1.00—\$1.25 postpaid; 200 capsules \$1.65, \$1.95 postpaid.



## STOMACH POISONS

**S-112 ANTROL.** Ready filled. Sets containing 4 filled feeders, 50c; extra jars each, 15c. 4-oz. syrup, 25c.

**S-111 ANTROL ANT TRAPS.** Kill both sweet and grease eating ants. Each, 25c; 6 for \$1.25.

**S-122 ARSENATE OF LEAD.** (Dry). 1 lb. carton 69c; 4 lbs., \$1.80; case of 48 lbs., \$17.40.

**S-307 SLUG SHOT GARDEN DUST.** Hammond's Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. 1 lb., 50c; 3-lb. \$1.10; 25-lb. bag, \$4.50

**S-308 SNAROL.** An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. 1 lb., 50c; 2 1/2 lbs., \$1.00; 6 lbs., \$2.00; 50 lbs., \$13.00



## ROTIENONE PREPARATIONS

**S-232 RED ARROW** Garden Spray. Kills by contact, both chewing and sucking insects. 1 oz., 35c; 4 oz., \$1.00; pt., \$2.85

**S-292 ROTECIDE.** Contact and stomach poison. 1 oz., 35c; 1/2 pt., \$1.00; pt., \$1.75; qt., \$3.00

## CONTACT INSECTICIDES

**S-126 BLACK LEAF 40.** Nicotine Sulphate. A spray for sucking insects. Directions must be followed carefully. 1 oz. bottle, 39c; 5-oz. can, \$1.19; makes 40 to 100 gallons; 1-lb. bottle, \$2.69, makes 40 to 200 gallons; 2-lb. can, \$4.79, makes 200 to 500 gallons; 5-lb. can, \$7.40, makes 400 to 1000 gallons; 10-lb. can, \$12.65, makes 840 to 2100 gallons.

**S-191 EVERGREEN SPRAY.** Non-poisonous when used as directed. Price, 1 oz., 45c postpaid; 6 oz., \$1.30 postpaid; pint, \$2.60 postpaid.

**S-245 NICO-FUME POWDER PRESSURE FUMIGATOR.** Burned under pressure in the can. 1/2-lb. can, 65c; doz., \$6.00; 1-lb. can, \$1.00; doz., \$9.00.

**S-325 TOBACCO DUST.** Contains over 1/4 nicotine superfine grind. 1 lb., 30c; 5 lbs., 80c; 10 lbs., \$1.35; 25 lbs., \$2.95. Add postage.

## COMBINATIONS

**S-272 NEW POMO GREEN.** A combined insecticide and fungicide. 1 lb., \$1.00; 4 lb., \$3.00

**S-231 RED ARROW DUST.** Contains 3/4% Rotenone. 2 lb. bag, 60c; 5 lbs., \$1.50; Postpaid, \$1.85

## MISCELLANEOUS

**S-130 D-X.** Spray Bomb for House Plants for African Violets, Ferns, Ivy, etc. A low pressure Aerosol bomb that makes it easy to kill insects on plants. 10 oz. each \$1.50; postpaid \$1.65.

**S-257 ANTROL ANT SPRAY.** Contains Chlordane. With handy sprayer. New and easy method of killing ants in the home, yard, lawn and garden. Non-injurious to humans and pets when used as directed. Apply with handy sprayer attached. Pint size retails at 89c, postpaid, \$1.00.

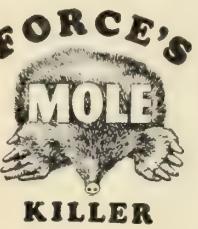


**S-265 PARA-SCALECIDE.** A prepared combination of Scalecide and paradiachlorobenzene. A liquid treatment for peach borer control. Safe to use on peach trees of all ages. Simple, effective and inexpensive to use. Can be used to control all borers. One gallon makes eight. Quart, \$1.45; gallon, \$3.25; 5 gallons, \$12.50

**S-298 SCALECIDE.** A complete dormant spray for fruit trees, shade trees and ornamentals. Controls scale and invigorates growth. Use 1 gal. to 15 gals. water. Qt., \$1.15; gal., \$2.75; 5 gals., \$10.75; 15 gals., \$24.92; 55-gal. Drum, \$57.40. No Charge or deposit on drums.

**S-169 DOGZOFF.** In aerosol bomb type container. Contents about 8 ounces. Price each, \$2.25, postpaid, \$2.40.

**S-168 DOGZOFF.** Breaks dogs of bad habits. Spray, underneath your evergreens, and guard them completely against the depredation of dogs. Non-poisonous. Per bottle, 75c; by mail, 85c.



**S-195 THE ACCEPTED MOLE CONTROL FOR** nurseries, greenhouses, gardens, cemeteries, parks and residential lawns. Small size, 35 pellets, 30c; postpaid, 40c. Regular size, 75 pellets, 60c; postpaid, 70c. Large size, 185 pellets, \$1.00; postpaid \$1.15. Commercial size, 875 pellets, \$3.25.

## MISCELLANEOUS

**S-150 CYANOGAS A. DUST.** Kills ants, moles, mice, rats, groundhogs and prairie dogs. 4-oz. tin, 50c; 1 lb., \$1.25; 5 lbs., \$4.25; 25 lbs., \$13.75; 100 lbs., \$31.00. By express only.

**S-727 CYANOGAS FOOT PUMP.** Each, \$15.00

**S-167 DOG-SHOO.** Keeps dogs and cats away. Qt., 85c; gal., \$2.25

**S-185 DUPONT ROSE DUST.** 8 oz. Dust Gun, each 79c; postpaid, 90c; 1 lb. sifter top can \$1.00; postpaid, \$1.20.

**S-180 DUPONT FLORAL DUST.** Provides complete control of many insects and disease affecting flowers. Excellent for roses. Non-injurious. Use as dust or spray. 8 oz. guns, 89c; postpaid \$1.05; 1 lb. canister, \$1.15; postpaid, \$1.35; 3 lb. canister, \$2.50; postpaid, \$2.85.

**S-181 DUPONT FRUIT TREE SPRAY.** Recommended for control of many insects and fungus diseases affecting apples, peaches, cherries, pears, plums, apricots, quince, strawberries, currants, gooseberries. Specially formulated for spray application. 1 lb. canister, \$1.15; postpaid, \$1.35; 3 lb. bags, \$2.50; postpaid, \$2.85.

**S-187 DUPONT VEGETABLE GARDEN DUST.** A complete insecticide and fungicide. 8 oz. Dust Gun, 89c; postpaid, \$1.05; 1 lb. Sifter top can, \$1.15; postpaid, \$1.35; 3 lb. Canister, \$2.50; postpaid, \$2.85.

**S-317 STOP.** A tree banding compound. Perfect safeguard for trees. 1 lb. jar, \$1.05; 7 1/2 lb. jar, \$6.25

**S-264 PINE TAR.** For tree surgery. Stops bleeding of the sap. Pint, 50c; qt., 85c; gal., \$2.25

**S-310 SODIUM SELENATE, P 40.** applied to soil is absorbed by the plant tissues, and destroys many insects that attack the plant. Never use on food crops. Excellent results are reported on gladiolus, thrips and chrysanthemum pests outdoors. P-40, containing 2% sodium selenate, 3 lbs. (to treat 100 square feet or 100 feet of row) \$2.75; postpaid, \$3.10.

**S-320 SULPHATE OF IRON.** 5 lbs., 85c; 10 lbs., \$1.50; 25 lbs., \$2.50; 50 lbs., \$3.95; 100 lbs., \$6.95 Add for postage.





# Dusters and Sprayers

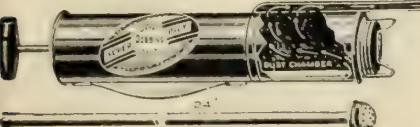
## Dusters

### FEENEY MODEL C DUSTER



**S-742** Splendid Hand Duster. Each, \$1.50, postpaid, \$1.65.

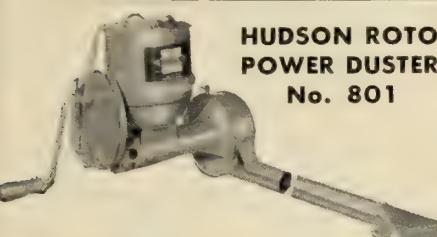
### DOBBIN'S IMPROVED HAND DUSTER



**S-731** Recommended for applying Pyrethrum, Rotenone, Derris Root. A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity 1 lb., equipped with two-way dust cap. No. 132 Duster. Each, \$2.35. Postpaid, \$2.60.

Write for price and leaflet on the large American Beauty Duster.

### HUDSON ROTO POWER DUSTER No. 801



With constant agitator in hopper. Has 3-way action principle. Large opening for easy filling. Holds about 8 lbs. of average density dust.

**S-756** Complete with three 15 inch tubes and nozzle. Weight about 16 lbs. Each \$23.20. No. 4859 Y attachment for 2-nozzle dusting, flexible steel tubes with nozzles. Weight 2 lbs. Each, \$3.25. **756-A**



**S-722** No. 594 CHAPIN HAND DUSTER. One of the finest dusters. Handles all types of dust. Each, \$1.45, postpaid.

## Sprayers

### DOBBIN'S BIGHEAD SPRAYER



**S-734** 5½" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity. No. 44 G Galvanized tank. Each, \$13.45.

**S-737** Stainless steel each, \$23.20.

### BLIZZARD COPPER CONTINUOUS SPRAYER



**S-800** Very durable, seamless brass pump, solid copper tank with adjustable nozzle for straight and underleaf spraying. Quart size, \$6.25, postpaid, \$6.50.

### HUDSON NO. 220 BUGWISER SPRAYER

**S-718** Ideal for home, lawn and garden spraying. With safe-T-lock. 2½ gal. Galvanized welded tank. Weight 7½ lbs. Each \$7.45. Postage extra.



### JIM DANDY CART SPRAYER

**S-775** The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a handy sprayer for factory or indoor use. Easily wheeled around. Equipped with balloon tires and 12 ft. of 3/8 in. high grade spray hose and automatic shut-off nozzle. Galvanized, price each \$37.40.



### CHAMPION KNAPSACK SPRAYER

**S-717** This all purpose, portable sprayer will handle insecticides, fungicides, weed killers, water paint, etc. Equipped with brass agitator, will hold 4½ gallons of any liquid. The form fitting tank is held comfortably in place on operator's back by adjustable straps. Price, galvanized, each \$28.40; with brass tank, \$32.30.



### PNEUMATIC HAND SPRAYER

Compressed air hand sprayer. Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size has extra nozzle for underleaf spraying.

**S-784** GALVANIZED TANK, \$2.10

**S-786** TIN TANK, \$1.75. Add 25¢ for postage.

**S-962** DOUBLE DUTY FOUNTAIN SPRINKLER. For sprinkling seedlings, plants and clothes. 8 oz. capacity, price ea., \$1.50, postpaid, \$1.65.

**S-316** SPRAY WAY MOTH PROOFER. Bomb as illustrated is trouble free and inexpensive to use. Leaves no stain or crystallization on fabric. Contains para-dichloro-benzene plus other active moth repellents. Price each, \$1.39, postpaid, \$1.50.



### G. S. "MASTER" SPRAYER

**S-747** This sprayer can be used for spraying all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout. Jr. Model each, \$6.95.

**S-746** Master Model with adjustable nozzle and 45 degree brass extension, each, \$8.95.

### INSECT-O-GUN



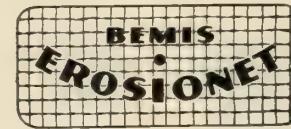
### S-416 STOP-GRASS.

Grass on the edges of your lawn, where it is difficult to mow, can be kept low for from 4 to 5 months by a plant growth inhibitor, Maleic Hydrazide, in this compound. You have probably read about this chemical and hoped it would make lawn mowing obsolete. But scientists do not yet recommend its use except in a limited way.

Spray on strips not more than 12 inches wide on grass close to fences, buildings, etc. In tests, one spray in early spring kept grass low until September. Observe directions exactly. 1½ oz. to treat 400 sq. ft., \$1.00; postpaid \$1.15; 4 oz., to treat 1100 sq. ft., \$2.25; postpaid \$2.40; 1 lb., to treat 4,400 sq. ft., \$6.00; postpaid \$6.20.

### USE EROSIONET

For New Lawns, Weak Lawns, and Stubborn Terraces



**S-1605** Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it almost invisible. Can be removed when grass becomes 2½ in. high. Width, 45 inches. Price per yd., 28c; 25 yd. lots, 26c per yd.; 100 yd. lots, 25c per yd.; rolls of 250 yds., 24c per yd.

### BURN WEEDS AND PESTS

#### Flame Shooter Gun

**S-745** General utility torch indispensable on the farm, garden, barn, etc., handy for cleaning out irrigation ditches, removing weeds and destroying insect pests. 4 gal. heavy all-welded (not riveted or soldered) corrugated fuel and air tank tested to 100 lbs.; burns kerosene, range oil, stove or light furnace oil. Price complete, \$25.20 (weight, 17 lbs.).



## Garden Hose Applicators



### HAYES No. 6 SPRAYER

**S-755** All Purpose Sprayer. Makes 6 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No moving parts to wear out or break. Each, \$9.95.



This is a special mixing and spraying nozzle which attaches to the garden hose. Insert insecticide cartridge—as easy as watering your lawn.

**S-703** With adjustable nozzle, \$6.50.

**S-121 ARNOLD WEED-O-SPRAY COMBINATION** set consisting of 1 Plastic sprayer and 2 Weed-O cartridges. Price \$1.75.

### CARTRIDGES FOR GARDEN HOSE SPRAYERS

**S-120** We can supply a complete line of cartridges, Rotenone, Nicotine, Pyrethrum, D. D. T., Sulphur, Bordo or Arsenate of Lead. Price, each, 45c; three for \$1.25; doz., \$4.80.

### ROSS ROOT-FEEDER

**S-794** Irrigates and feeds at the same time with 12 nutrient cartridges complete, \$4.98. Extra cartridges, carton of 12, \$1.00.

**S-797** Acid Cartridge

**S-798** Nutrient Cartridge



### ROSS No. 10 HAND SPRINKLER



**S-953** Preferred by nursery men and home owners alike. Capacity 13 gallons per minute. Do not compare with cheaper imitations. Each, \$1.40; postpaid, \$1.55.

### ELKAY NOZZLE

**S-912** From a powerful jet to a softest mist at the tip of your finger. Precision built. Non-corrosive instant shut off. Ea., \$1.50. Postpaid \$1.60.



## Sprinklers



### SWAN DOUBLE BRAID GREEN GARDEN HOSE No. 127

**S-927** Full  $\frac{5}{8}$  inch. This hose is guaranteed for 10 years. Has smooth, tough inner tube and 2 braids of heavy rayon cords. A beautiful green cover of wear resisting Neoprene, equipped with nickel plated maxi-volume coupling. Will not burst under 800 lbs. water pressure. 50 ft. only weighs 16 lbs. Easy to handle. Price per 50 ft. length, \$11.95.

**S-961** No. 2290 Swan Hose. Guaranteed 10 years. America's finest transparent plastic hose. Made of virgin plastic. Very light yet tough, flexible and durable. Full  $\frac{5}{16}$  inch inside diameter. Equipped with reattachable couplings. Weathering, sunlight, heat or freezing will not harm this hose. 25 ft. lgth. \$6.85, 50 ft. lgth. \$11.95, postpaid.

### S-960 SWAN HOSE No. 2150

Swanseal, clear green plastic,  $\frac{1}{2}$  inch replaceable brass  $\frac{3}{4}$  coupling. Guaranteed for 10 years. 25 ft. lengths \$4.65 each, 50 ft. length \$7.50 each, 75 ft. length \$10.95 postpaid.

### S-971 IMPROVED SWAN SPRINKLER SOAKER

Does the work of a lawn sprinkler and soil soaker. The oval shaped tube has hundreds of tiny holes pierced on one side only. To sprinkle turn the openings up, to soak turn them down. The only practical way to sprinkle or soak long narrow strips. Made of beautiful green plastic. Will not fade, mildew, rot or suncheck. Has solid  $\frac{3}{8}$  inch brass couplings. Extra lengths can be joined. 25 ft. lgth. \$2.98 each, 50 ft. lgth. \$4.98 each, postpaid.

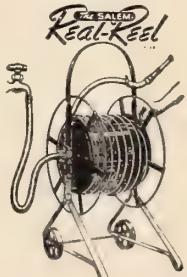


### AVON MODEL No. 950 LAWN AND GARDEN SPRINKLER

**S-901** Mounted on sled-like frame that moves with ease by pulling hose to change its position. Covers about 1,500 square feet or more, depending on water pressure, in a rectangular area 30 ft. on either side and 30 ft. in width. Price each, \$12.95

### HOSE REEL

**S-963** The only portable reel permitting water to run through the reeled-up hose. Equipped with 5 ft. of accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable rubber tire wheels. Price each, \$16.50.



### LINCOLN PARK OR BUTTERFLY SPRINKLER

**S-935** Cheapest and best sprinkler made. Each, \$1.25; postpaid, \$1.35.

### JUSTRITE BRASS HOSE NOZZLE

**S-936** For lawn and garden, can be changed from fine spray to stream.  $\frac{3}{4}$  inch each, \$1.45; by mail \$1.55.

**S-946** SUNBEAM RAIN KING MODEL N-1A Nozzle, each, \$1.50.



## ROSS SQUARE SPRAY HEADS



**S-957** It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for  $\frac{1}{2}$  in. pipe, capacity 3  $\frac{1}{4}$  gals. per minute. Has a slotted adjusting screw to control the area of the spray. 54A. Price, ea., 85c; per doz., \$9.00. **S-952-2A**  $\frac{1}{2}$  or **S-951-4A**  $\frac{1}{4}$  circle heads. Price ea., 85c; doz., \$9.00.

### SOIL SOAKER



**S-968** Soil Soaker for deep soaking, the water method approved by agricultural colleges and nurseries, now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, No. 0, 12 ft., \$1.80; No. 1, 18 ft., \$2.40; No. 2, 30 ft., \$3.70; No. 3, 50 ft., \$6.00.

### RAIN KING

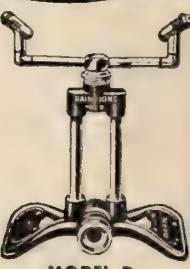
#### SPRINKLER MODEL H

**S-949** Chrome plated. Adjustable for coarse or medium shower. Can be used for revolving or stationary sprinkling by simply turning lock wheel  $11\frac{1}{4}$  in. tall;  $9\frac{1}{4}$  in. from nozzle to nozzle. Price ea., \$9.50. Shipping weight, 5 lbs.



MODEL K

**S-945** Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Price each, \$9.25. Shipping weight, 5 lbs.



**S-947** Can be adjusted to operate slow or fast. Will operate on any water pressure. Price each \$6.50. Shipping weight, 4 lbs.

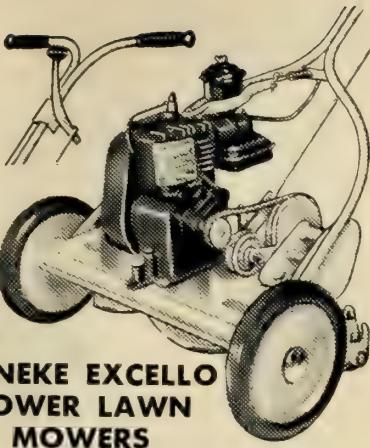


#### TRAVELING SPRINKLER Model K20

**S-948** Fully automatic, can be set to sprinkle areas 5 to 50 ft. as it travels, straight or around corners. Will travel up to 100 feet. Price each, \$39.50. Shipping weight 9 lbs.

#### NATURAIN PERFORATED PIPE

Made of durable aluminum and stainless steel. Each section 5 ft. long, weighs less than a pound. Ordinary pressure will throw water 20 ft. Extra 5 foot lengths can be connected with a twist of the wrist. **S-942** Primary unit with connection, price each, \$2.95; **S-942A** Secondary Units, each, \$2.75. With ordinary pressure five units can be used.



## HEINEKE EXCELLO POWER LAWN MOWERS

Long-lasting, sturdy construction for maximum performance... for the average size lawns. Stepped up power with Briggs and Stratton 1.1 H.P. air cooled 4 cycle engine. Light weight, easy to operate, positive clutch action, semi-pneumatic tires, all steel construction. S-616 Shipping weight, 115 lbs. 18", each \$107.30 S-617 21", with 1.6 H.P. engine, shipping weight 127 lbs., price each \$120.85.

## CLEMSON LAWN MOWER E-17

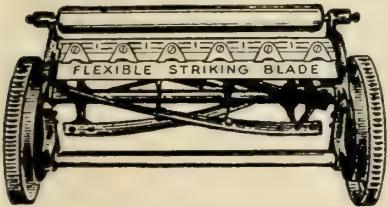
S-609 Finger-tip adjustment. Cutting height changed in a second. Large semi-pneumatic wheels insuring easier operation. Full 17" cut. Ruggedly built yet only weigh 35 pounds complete. Tubular handles. Each, \$33.95.



## GRASS CATCHER

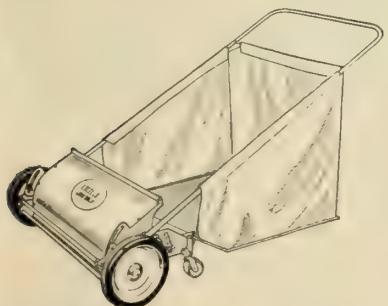
S-601 Durable canvas kid grass catcher with solid aluminum bottom. Has a sturdy bottom brace to practically eliminate wear and tear of bottoms. Also adds to catcher's overall strength. Adjustable to fit all hand mowers from 14 to 18 inch widths.

Price, each, \$2.95; postpaid, \$3.25



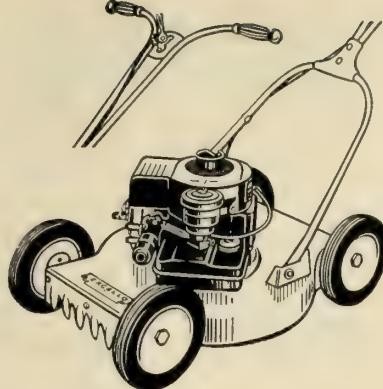
## FLEXIBLE MOWER BLADES

S-615 No sharpening, no grinding. Old lawn mowers will cut as good as new. New mowers will cut better, too. Easily attached to mower by removing old blade. Sizes 14, 16, 18 and 20 inches. Postpaid \$2.95



## EXCELLO 24-In. LAWN SWEeper

S-631 Save time and energy, eliminate tedious raking. Let the quiet Excello lawn Sweep gently sweep leaves, grass clippings, small twigs, and paper from your lawn and driveway into a canvas basket with easy action. Width 24 in. All castings of special aluminum alloy. Strong, durable and rust-proof. Semi-pneumatic tires. Brush unit mounted on self-adjusting chrome steel bearings. Aluminum alloy caster wheels provide ease of operation. Shipping weight 55 lbs. \$43.50.



S-618G. EXCELLO 18 INCH ROTARY POWER MOWER. Has Briggs & Stratton 1.6 hp. engine. Has cast aluminum shroud and discharge chute for expelling clippings evenly. Multiple cutting heights. Aluminum wheels with oilite bushings. Heavy duty power mower built for easy handling and long life. Rope starter engine, each \$84.50.

S-618R RECOIL STARTER, each \$89.50.

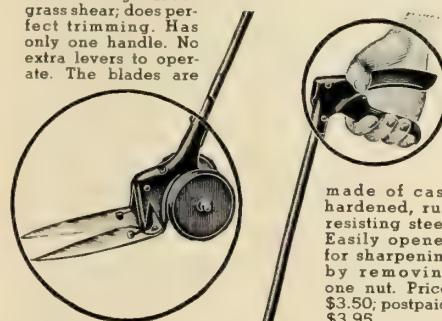
S-618E EXCELLO ELECTRIC 18 INCH ROTARY POWER MOWER with Delco  $\frac{1}{3}$  hp. motor. (less cord). Each \$59.50.

S-633G. EXCELLO ROTARY SELF PROPELLED.

The 21 inch, Model 214 power mower with 4 cycle 2 hp. Briggs & Stratton engine. Recoil starter. Price each \$137.50.

## DOO-KLIP GRASS SHEARS

S-1015 Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The blades are



S-1016 Short handle.

Price each \$2.00; postpaid, \$2.15

## MASTERS HANDI-CART

S-507 Replaces the old fashioned wheelbarrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the Cart Model S3, size of wheels 10 in. diameter. Extreme overall width of cart 26 $\frac{3}{16}$  in. Size of hopper of body 27 x 21 x 12 in. Price each, \$10.50

S-508 No. 20-D, new Deluxe model with heavy bulbular handle and rubber grips. Size of wheels, 10 in. diameter. Extreme overall width of Cart, 26 $\frac{3}{16}$  in. Size of hopper body, 27 x 21 x 13 in. Price each, \$15.25

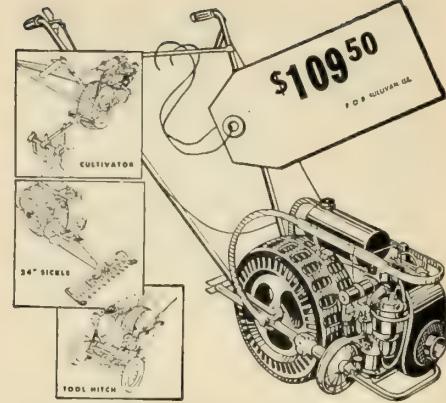
## GENUINE DUNHAM

Water Weight  
Rollers Lawn with  
Oilite Bearings

Again we can supply this best of all lawn rollers made. By varying the quantity of water, the weight can be altered to suit the job. Empty, the roller is easy to handle.

No.	Diam. in.	Lgh. in.	Wt. Empty	Wt. Filled	Price
S-605	1	22 $\frac{1}{2}$	18	30 $\frac{1}{2}$	100.00
S-611	2	14	24	68	175
S-612	4	18	24	82	265
S-613	7	24	24	110	420
S-614 *109	24	32	130	565	62.00

\*With roller bearing.



## GEORGE TRACTOR MODEL L. G.

S-1150 Large 16 inch wheel with 6 inch wide tread pulls through everything. Ample power for all attachments. A ruggedly built, quality tractor.

2 H.P. Briggs & Stratton engine. Belt type, rope starter, weight 100 lbs. Price, each \$109.50

S-1151 GEORGE 2 HP. TRACTOR with 2 rubber tired wheels for \$119.50. Weight crated 125 lbs.

S-1152 ROTARY TILLER No. 2289. Each \$42.50. This will only fit the 2-wheel tractor.

Cultivator, \$8.75. Hitch for attaching any 16 inch or 18 inch hand mower, each, \$4.50.

24 inch Sickle Bar mower, each \$42.50. 25 inch Snow Plow Blade, each \$11.25. 2 inch Take Off Pulley, 60c.

## HANDY CRAB GRASS RAKE



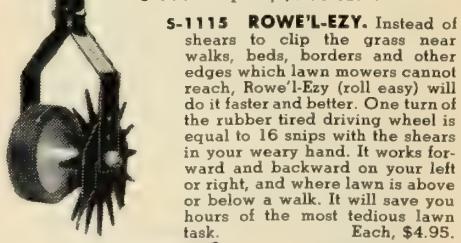
S-1013 This rake is formed so that the teeth pull flat on the sod; thus they get under the branches of the Crab Grass. Shear off the entire head of the plants and keep them from further seeding, \$1.95.

## IMPORTED ENGLISH LIGHTWEIGHT SPADING FORK AND SPADE

The handiest tools for transplanting large roots, shrubbery, plants, etc.

S-1132 Spading fork, \$3.35 each.

S-1131 Spade, \$3.35 each.



S-1115 ROWEL-EZY. Instead of shears to clip the grass near walks, beds, borders and other edges which lawn mowers cannot reach, Rowel-Ezy (roll easy) will do it faster and better. One turn of the rubber tired driving wheel is equal to 16 snips with the shears in your weary hand. It works forward and backward on your left or right, and where lawn is above or below a walk. It will save you hours of the most tedious lawn task. Each, \$4.95.



For sturdy grass growth aeration is essential to let air and water into the soil.

## S-503 NO. 8T

8 discs, each 10 inches in diameter, rolling width 16 ins. Net weight 35 lbs. Tray is provided so weight may be added. Each \$18.70.

## S-504 NO. 30, 19

discs, each 10 inches in diameter, rolling width 18 inches. Net weight 80 lbs. Each, \$51.00. Hitch for attaching to most power mowers \$4.90 extra. Cannot be sent by parcel post.



### NO BLISTER TROWEL

**S-1141** Scientifically designed to prevent blisters. Curved handle with velvet grip fits the hand and is to the palm. Metal is rustproof. Each, \$1.25; postpaid, \$1.40

### BORDEN TROWEL

**S-1072** Slender blade of polished aluminum with sure-grip wooden handle, light weight but durable. It serves as both weeder and planter. Each \$1.00 postpaid.



### ALUMINUM GARDEN TROWEL

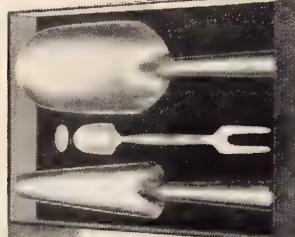
**S-1139** Made of all aluminum. One piece, heavy duty trowel, each 85c; postpaid 95c. **S-1139A** For transplanting, aluminum, narrow, one piece. Each, 75c; postpaid, 85c.

### STEEL GARDEN TROWEL

**S-1077** Made of high quality carbon steel with hard wood handle. Price each, 45c; postpaid, 55c.

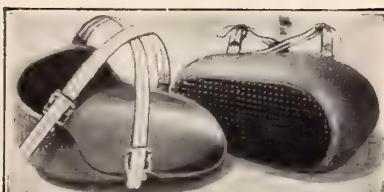
**S-1076** All Steel Highest Quality. One piece steel shank. Price each, \$1.75; postpaid, \$1.85.

### MELCO FEATHERLIGHT SET



Made of cast aluminum as strong as steel, these tools are light as a feather, and moulded to fit your hand. They are rust-proof, and easily cleansed.

### KNEE PADS



**S-1117** All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip down. Price, \$2.25; postpaid, \$2.40.

### METAL LAWN SIGNS

**S-1908** These attractive signs have raised letters, baked enamel finish, holes for attaching to stakes. Size,  $3\frac{3}{4} \times 12$  inches. Colors, green on white and black on white. Sign wordings—Seeded—Keep Off The Grass. Signs with stakes, each, 50c; six for \$2.70.

**KEEP OFF  
THE GRASS**



### IMPORTED PRUNING SHEARS

**S-1071** These are of finest quality Italian steel, fully polished, with ratchet and lock-nut for tightening. Each \$2.50 postpaid.

### HENCKEL IMPORTED PRUNING SHEARS HIGHEST QUALITY



**S-1048** 8 $\frac{1}{2}$  inch full polished with replaceable coil spring. Each, \$5.50

**S-1048A** 9 $\frac{1}{2}$  inch, each, \$6.95.

**S-1048** 8 $\frac{1}{2}$  inch, with brass springs, each, \$5.95.

### CLYDE TREE PRUNERS

**S-1144** 6 ft. each..... \$4.00 10 ft. each..... \$5.00  
8 ft. each..... 4.50 12 ft. each..... 5.50

### GARDEN CLUB ROSE AND FLOWER HOLDER SHEAR



**S-1028** Sturdily constructed of rustless, stainless cutlery steel. Each \$2.25, postpaid \$2.40



### PORTER ONE-HAND PRUNER

**S-1101** This pruner is twin-cut professional, forged from tool steel. The pivot bolt cannot loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inches, full polish, price, each, \$6.75; postpaid, \$6.95.



### BUCKEYE PRUNER

**S-1009** A strong rugged pruner, handles reinforced by strap iron. 20 inch, each \$4.50; postpaid, \$4.75; 24 inch, \$4.75; postpaid, \$5.00.



**S-1127 SNAP CUT PRUNER.** Heavy duty, full polished, \$2.75; postpaid, \$2.90.

### SUNBEAM ELECTRIC HEDGE TRIMMER



**S-628** A superior hedge trimmer, built and powered to do long tedious trimming jobs required of a professional gardener. Light in weight, sturdy construction, equipped with 10 ft. of cord and plug. Price, each, \$49.75. Extra cord 50 ft., \$4.50. 100 ft., \$8.50.

### GREENLEE EARTH AUGER

**S-1004** Especially adaptable for drilling holes for feeding fertilizer to trees and Evergreens. 2 inch diameter length 40 in. Each, \$6.25. Postpaid \$6.50.



### DECORATIVE WATERING POT

**S-904** Practical and handsome. Sturdily constructed of metal. Green enameled with floral design. 2 qt. size, price each, \$2.25; postpaid, \$2.50.



### NEW IMPROVED GREEN THUMB GLOVES

**S-1019** Soft, washable for garden and house use. Small, medium and large. Specify size when ordering. Price per pair, 89c; postpaid, 95c.



### BLUETTES GARDEN GLOVES

**S-1099** Neoprene coated elastic knit. Short fingers to fit every hand snug to the tips. Knit lining. In Small, Medium and Large sizes. Price per pair, \$1.39, postpaid. Specify size when ordering.



**S-1042** Made of imported leather processed to make it pliable as kid and washable. Sizes for women, Small, Medium, Large, \$1.65; for men, Medium and Large, \$1.75; a pair, postpaid.

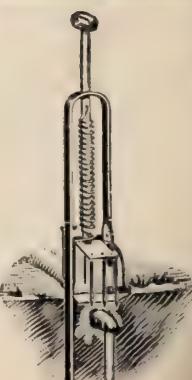
### HAVAHART ANIMAL TRAPS



**S-1045** No. 1-5x5x18 in. For weasels, rats and chipmunks, each, \$4.20; postpaid, \$4.50.  
No. 2-7x7x24 in. For muskrats, mink, squirrels and rabbits, each, \$5.40; postpaid, \$5.75.

### No. 200 REDDICK MOLE TRAP

**S-1107** Self setting. Trigger sets automatically. Needle sharp tines. Sturdy construction. Each, \$2.25; postpaid, \$2.45.



# Vaughan's Wick-fed METAL SEED STARTER



View of Wick-fed Starter with Plant Bands  
Size, 12x18 inches, 4 inches high



How wick is placed in  
bottom of starter.



End view showing water  
pan below

## COMPLETE, WITH FIBRE GLASS WICK, PLANT BANDS AND SPHAGNUM MOSS, For \$3.25

(Wts., 7 lbs.) Prepaid to 3rd zone (600 miles)

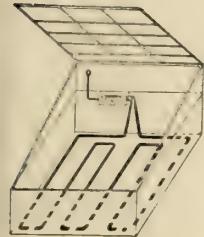
Add 45c for postage, if beyond 3rd zone

**S-1628** This up-to-date metal seed starter must not be confused with the fragile, impractical pasteboard devices which have disappointed so many gardeners. This is full size "flat," made of 28 gauge steel, enameled green, which will last for years, and which you will be glad to have in your sun parlor or window. It makes use of two of the most recent, scientific developments in seed starting: 1. Wick-feeding of water, which keeps the soil at just the right moisture, never drying out, never too wet, and never dripping dirty water from an over flow. 2. The use of sphagnum moss to prevent damping off of seedlings, highly recommended by the U. S. D. A.

Complete instructions for operation are shipped with every order.

## GRO-QUICK Electric Seed Bed Heater

**S-1626** Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 20 square ft. of cold frame. Price \$6.75. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 40 square ft. of cold frame. Price \$9.00; Jr. cable only price \$2.25; Sr. cable only price \$4.50.



## VITAPANE

**S-1624** A flexible glass substitute; transparent all purpose window material, withstands wind, snow and rain, allows more light, permits easy inspection. Put up in rolls 36 inches wide. Price per 50 ft. roll, \$12.00; 1/2 roll, \$6.50; per yd., 85c.



## SEED FLATS-WOOD

**S-1409** Made from Cypress and Pine. Flats come knocked down. Put up in bundles of 10 flats. Approx. Weight Per bundle 45 lbs.

No. 3. — 21 1/2 x 14 x 2 3/4 in. per bdl. of 10. .... \$6.60  
No. 3-A. — 21 1/2 x 14 x 3 3/4 in. per bdl. of 10. .... 7.40  
No. 4. — 24 x 15 x 2 3/4 in. per bdl. of 10. .... 7.60  
No. 4-A. — 24 x 15 x 3 3/4 in. per bdl. of 10. .... 8.30

We do not break bundles

## CEL-O-GLASS

**S-1602** Will take the place of glass. Unbreakable and very light in weight. Properly installed Cel-O-Glass is guaranteed for five years. Will not break like glass or tear like cloth. Flexible, easy to handle and install. 3 ft. wide. Per yard \$1.85; 25 ft. roll \$10.75; 100 ft. roll \$37.50.

## THERMOMETERS



Hotbed

**S-1638** HOTBED. All glass, each, \$2.25, postpaid.

## SEED SOWER

**S-1604**

**CYCLONE.** (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Ea., \$4.30 Postpaid, \$4.75.



THE SOWER THAT SCATTERS EVENLY.

**S-1690 KLASBERG  
SEEDER-FEEDER-  
WEEDER.** Amazing new scientific garden tool that saves you time and money. Insures a green velvet smooth carpet of grass by continuous, uniform spreading of lawn seed, dry fertilizer and dry weed killer. Approximate shipping weight 2 lbs. Each, \$4.95, postpaid.



**SEED SOWER 50¢**

Plastic - seeds visible as sown - go twice as far. Saves thinning - for peas to petunias.

**S-1627 Postpaid, 60c.**

## NEW HANDY SEEDER



**S-1614** This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Save time. Price, ea., 90c, postpaid.

**S-212 GRAFTING WAX.** Per 1/4 lb. bar, 35c; 1/2 lb. bar 50c; 1 lb. bar, 80c.



**S-1911 SIEVES.** For sifting soil. 18 inches in diameter, all size mesh from 1/8 to 1/2 inch. Each, \$2.95. Postpaid, \$3.25.

## SOIL SUBSTITUTE FOR STARTING PLANTS—"TERRALITE"

Terralite is a prepared form of vermiculite, cleansed of all impurities which might injure plants, and of the correct sizes for horticultural use. This remarkable material has proved to give almost magical results as a substitute for soil in starting seeds and rooting cuttings.

In addition to being an unsurpassed medium for started seeds and rooting cuttings, Terralite is effective as a soil conditioner, to lighten heavy clay soil, make it porous. It also makes an excellent mulch to prevent soil from drying out unduly in hot, dry weather.

Prices, 1/2 peck bag, 40c; postpaid 50c. 1/2 bushel bag, 90c, postpaid \$1.15; 4 bushel bag, \$3.50. Shipped by express, charges collect.

## BEAUTIFUL CALIFORNIA PLANTUBS MADE OF REDWOOD



**S-1432** For utility and beauty in any garden, impregnated with linseed oil to preserve natural beauty of wood. Rounded top and bottom edges to prevent splintering. Made of well seasoned California redwood. Bound with brass bands. Ventilation under tub. Grooved handles.

No. 1—12 in. .... \$4.25 ea.

No. 2—14 in. .... 5.50 ea.

No. 5—20 in. .... \$8.75 ea.

No. 3—16 in. .... \$7.00 ea.

No. 4—18 in. .... 7.50 ea.

No. 6—22 in. .... 10.00 ea.

No. 7—24 in. .... 12.00 ea.

No. 8—26 in. .... 14.00 ea.

No. 9—28 in. .... 16.00 ea.

No. 10—30 in. .... 18.00 ea.

No. 11—32 in. .... 20.00 ea.

No. 12—34 in. .... 22.00 ea.

No. 13—36 in. .... 24.00 ea.

No. 14—38 in. .... 26.00 ea.

No. 15—40 in. .... 28.00 ea.

No. 16—42 in. .... 30.00 ea.

No. 17—44 in. .... 32.00 ea.

No. 18—46 in. .... 34.00 ea.

No. 19—48 in. .... 36.00 ea.

No. 20—50 in. .... 38.00 ea.

No. 21—52 in. .... 40.00 ea.

No. 22—54 in. .... 42.00 ea.

No. 23—56 in. .... 44.00 ea.

No. 24—58 in. .... 46.00 ea.

No. 25—60 in. .... 48.00 ea.

No. 26—62 in. .... 50.00 ea.

No. 27—64 in. .... 52.00 ea.

No. 28—66 in. .... 54.00 ea.

No. 29—68 in. .... 56.00 ea.

No. 30—70 in. .... 58.00 ea.

No. 31—72 in. .... 60.00 ea.

No. 32—74 in. .... 62.00 ea.

No. 33—76 in. .... 64.00 ea.

No. 34—78 in. .... 66.00 ea.

No. 35—80 in. .... 68.00 ea.

No. 36—82 in. .... 70.00 ea.

No. 37—84 in. .... 72.00 ea.

No. 38—86 in. .... 74.00 ea.

No. 39—88 in. .... 76.00 ea.

No. 40—90 in. .... 78.00 ea.

No. 41—92 in. .... 80.00 ea.

No. 42—94 in. .... 82.00 ea.

No. 43—96 in. .... 84.00 ea.

No. 44—98 in. .... 86.00 ea.

No. 45—100 in. .... 88.00 ea.

No. 46—102 in. .... 90.00 ea.

No. 47—104 in. .... 92.00 ea.

No. 48—106 in. .... 94.00 ea.

No. 49—108 in. .... 96.00 ea.

No. 50—110 in. .... 98.00 ea.

No. 51—112 in. .... 100.00 ea.

No. 52—114 in. .... 102.00 ea.

No. 53—116 in. .... 104.00 ea.

No. 54—118 in. .... 106.00 ea.

No. 55—120 in. .... 108.00 ea.

No. 56—122 in. .... 110.00 ea.

No. 57—124 in. .... 112.00 ea.

No. 58—126 in. .... 114.00 ea.

No. 59—128 in. .... 116.00 ea.

No. 60—130 in. .... 118.00 ea.

No. 61—132 in. .... 120.00 ea.

No. 62—134 in. .... 122.00 ea.

No. 63—136 in. .... 124.00 ea.

No. 64—138 in. .... 126.00 ea.

No. 65—140 in. .... 128.00 ea.

No. 66—142 in. .... 130.00 ea.

No. 67—144 in. .... 132.00 ea.

No. 68—146 in. .... 134.00 ea.

No. 69—148 in. .... 136.00 ea.

No. 70—150 in. .... 138.00 ea.

No. 71—152 in. .... 140.00 ea.

No. 72—154 in. .... 142.00 ea.

No. 73—156 in. .... 144.00 ea.

No. 74—158 in. .... 146.00 ea.

No. 75—160 in. .... 148.00 ea.

No. 76—162 in. .... 150.00 ea.

No. 77—164 in. .... 152.00 ea.

No. 78—166 in. .... 154.00 ea.

No. 79—168 in. .... 156.00 ea.

No. 80—170 in. .... 158.00 ea.

No. 81—172 in. .... 160.00 ea.

No. 82—174 in. .... 162.00 ea.

No. 83—176 in. .... 164.00 ea.

No. 84—178 in. .... 166.00 ea.

No. 85—180 in. .... 168.00 ea.

No. 86—182 in. .... 170.00 ea.

No. 87—184 in. .... 172.00 ea.

No. 88—186 in. .... 174.00 ea.

No. 89—188 in. .... 176.00 ea.

No. 90—190 in. .... 178.00 ea.

No. 91—192 in. .... 180.00 ea.

No. 92—194 in. .... 182.00 ea.

No. 93—196 in. .... 184.00 ea.

No. 94—198 in. .... 186.00 ea.

No. 95—200 in. .... 188.00 ea.

No. 96—202 in. .... 190.00 ea.

No. 97—204 in. .... 192.00 ea.

No. 98—206 in. .... 194.00 ea.

No. 99—208 in. .... 196.00 ea.

No. 100—210 in. .... 198.00 ea.

No. 101—212 in. .... 200.00 ea.

No. 102—214 in. .... 202.00 ea.

No. 103—216 in. .... 204.00 ea.

No. 104—218 in. .... 206.00 ea.

No. 105—220 in. .... 208.00 ea.

No. 106—222 in. .... 210.00 ea.

No. 107—224 in. .... 212.00 ea.

No. 108—226 in. .... 214.00 ea.

No. 109—228 in. .... 216.00 ea.

No. 110—230 in. .... 218.00 ea.

No. 111—232 in. .... 220.00 ea.

No. 112—234 in. .... 222.00 ea.

No. 113—236 in. .... 224.00 ea.

No. 114—238 in. .... 226.00 ea.

No. 115—240 in. .... 228.00 ea.

No. 116—242 in. .... 230.00 ea.

No. 117—244 in. .... 232.00 ea.

No. 118—246 in. .... 234.00 ea.

No. 119—248 in. .... 236.00 ea.

No. 120—250 in. .... 238.00 ea.

No. 121—252 in. .... 240.00 ea.

No. 122—254 in. .... 242.00 ea.

No. 123—256 in. .... 244.00 ea.

No. 124—258 in. .... 246.00 ea.

No. 125—260 in. .... 248.00 ea.

No. 126—262 in. .... 250.00 ea.

No. 127—264 in. .... 252.00 ea.

No. 128—266 in. .... 254.00 ea.

No. 129—268 in. .... 256.00 ea.

No. 130—270 in. .... 258.00 ea.

No. 131—272 in. .... 260.00 ea.

No. 132—274 in. .... 262.00 ea.

No. 133—276 in. .... 264.00 ea.

No. 134—278 in. .... 266.00 ea.

No. 135—280 in. .... 268.00 ea.

No. 136—282 in. .... 270.00 ea.

No. 137—284 in. .... 272.00 ea.

No. 138—286 in. .... 274.00 ea.

No. 139—288 in. .... 276.00 ea.

No. 140—290 in. .... 278.00 ea.

No. 141—292 in. .... 280.00 ea.

No. 142—294 in. .... 282.00 ea.

No. 143—296 in. .... 284.00 ea.

No. 144—298 in. .... 286.00 ea.

No. 145—300 in. .... 288.00 ea.

No. 146—302 in. .... 290.00 ea.

No. 147—304 in. .... 292.00 ea.

No. 148—306 in. .... 294.00 ea.

No. 149—308 in. .... 296.00 ea.

No. 150—310 in. .... 298.00 ea.

No. 151—312 in. .... 300.00 ea.

No. 152—314 in. .... 302.00 ea.

No. 153—316 in. .... 304.00 ea.

No. 154—318 in. .... 306.00 ea.

No. 155—320 in. .... 308.00 ea.

No. 156—322 in. .... 310.00 ea.

No. 157—324 in. .... 312.00 ea.

No. 158—326 in. .... 314.00 ea.



# WREN HOUSE No. 16



## MARTIN HOUSE No. X215



**S-1716** Twenty compartment unpainted, \$21.90. House two stories high. Painted two coats white and green, \$27.00.

**No. X315.** Twenty-eight compartment house, three stories high, unpainted, \$27.00. Painted two coats white and green, \$31.30. Crating charge, \$1.50 extra.

**S-1722** Erection pole for Martin House, \$18.00.

## No. FS 21. Garden Craft Feeding Station

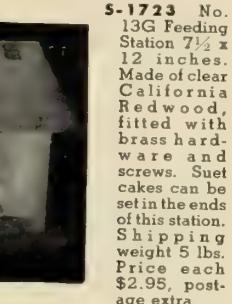


This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.

**S-1711** Size 24x12x12. Shipping weight 16 lbs. Price stained brown. .... \$ 9.30

**S-1712** Price stained with glass back. .... 12.30

**S-1710** Erection Post bored for mounting rod. 3.35



## No. FS 10. Garden Craft Bird Feeder



**S-1703** This cleverly constructed feeder will provide endless pleasure and satisfaction for bird lovers. You will be more than repaid for your generosity in providing food for your feathered friends during the early spring, late fall and winter by their appreciation. Size 8x3x10 in. Shipping weight, 3 lbs. Price, \$2.70; postpaid, \$2.90.

**S-1709** Erection pole with arm \$1.90. (Not Mailable.)



Birds enjoy swinging with the feeder. Comes in three colors, Blue, Red and Yellow. Each, \$1.00; postpaid \$1.25.

**S-1720** This time tested stepkut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$2.50; postpaid, \$2.75.

**S-1706 BLUE BIRD HOUSE No. 5** similar to the above, stained brown. \$1.85; postpaid \$2.10.



## S-1717 ROBIN ROOST

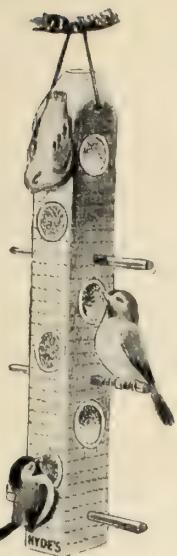
**No. 4** Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each \$2.75; Postpaid \$3.00; 3 for \$7.80. By express.

**COMMUNITY DINER,** Aerial Picnic Grounds for clinging and perching birds.

**S-1715** No. CDD filled, each, \$2.10; postpaid, \$2.35.

**S-1714** No. CDE filled with 24 extra tidbits each, \$3.10, postpaid, \$3.30.

**S-1713** CT24, containing 24 extra tid-bits, each, \$1.35; postpaid, \$1.50.



**S-1724** No. 14G Feeding Station 4 x 12 inches. Made of clear California Redwood, fitted with brass hardware and screws. Shipping weight 4 lbs. Price each \$2.35. Postage extra.



## HOLE-IN-ONE BULB AND PLANT SETTER

**S-1068** Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil, leaving a perfectly flat bottomed hole. Small, hand tool for cultivated soil. Each, 95c; postpaid, \$1.05. **S-1068L** Long handle, each, \$6.85.



**S-1136** For transplanting vegetable plants, steel point (weight 10 oz.). Each, \$1.35; postpaid, \$1.50.



## S-1049 SPEEDEE

**PLANTER.** Made of heavy gauge steel with hardwood handle, overall length 40 inches. It is a tapered cylinder designed to permit automatic ejection of earth; the cutting edge for easy digging, a heavy foot bar flange for comfortable operation. Takes the backache out of planting. \$2.65 each; postpaid \$2.95.



SPEEDEE  
PLANTER

All prices subject to change without notice.

## PEST EXTERMINATORS



**S-116 ANT-X-TRAP.** Deaths to Ants in the house or garden. This safety type container carries a multi bait attractive to both the sweet and grease eating type ants. This bait kills the ants in the nest. Price 25c; six for \$1.25

**S-115 ANT-X JELLY BAIT.** Kills quickly. This jelly controls sweet and grease eating ants. It will also kill ants in the nest. 1 oz., 35c; 4-oz. tube, \$1.00; industrial size, 5-lb. pail, \$15.00.



**S-165 DOG-CHECK.** The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying lasts from two to three weeks. 3-oz. size, 60c; 8-oz. size, \$1.00.

**S-284 RAT-NOTS.** Safe way to exterminate rats. Prepared bait, containing Squill. Can be used without fear of harming humans, dogs, live stock, etc. Trial size package of 9 Nots, 35c; Estate size, 50 Nots, \$1.00.

**S-237 MOUSE-NOTS.** Impregnated seed; pregnant seed bait kills mice. Trial size package, 9 Nots, 35c; Estate size, 50 Nots, \$1.00.

**S-235 MOLE NOTS.** Lifesavers for lawns, bulb and seed beds. Trial size, 8 Nots, 35c; Estate size, 50 Nots, \$1.00; Jumbo size, 125 Nots, \$2.00; Gardener size, 400 Nots \$5.00; Giant size, 1,000 Nots \$10.00.



## Rabbit Repellent

**S-208** With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repellent "naturals" to make it last. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Price 1 lb. pkg. 50c; postpaid 65c; 5 lb. bag \$1.75, postpaid \$2.10.



## Chaperone Powder Dog Repellent

**S-140** A new household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is very repulsive to dogs. 1 oz. tin, 50c; large size, \$1.00.

## Chaperone Liquid Dog Repellent

**S-139** For outdoor and garden use. Keeps dogs away longer from trees, shrubs and plants than most liquid repellents. 4 oz bottle, 50c; 8 oz. can, \$1.00.

## KITTY CHAPERONE

**S-142** Powder repellent for household use keeps cats away from furniture, curtains, drapes, clothing, etc. 1 oz. cone, 50c; 3 oz. cone, \$1.00.

## RODENT ROCKETS



## ...THE EASY WAY

**S-286** Novel, effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot." Safe, sure, efficient aids to hunters in "un-treeing" holed-up woodchucks, raccoons, etc. 3 for 40c, postpaid 50c; dozen, \$1.50, postpaid, \$1.65.

# Lawn Seed, Fancy Grasses and Field Seed

For other Lawn Seed Mixtures, See Page 4. All Prices Prepaid, Except where Specifically Noted.  
On Parcel Post C. O. D. Orders there is a postal charge for C. O. D. delivery.

## VAUGHAN'S SPECIAL PURPOSE MIXTURES

We recommend our lawn mixtures, composed of suitable varieties of grass seed, because results are more satisfactory from a correct combination of grasses than from a variety sown alone. Our grass seed division has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge. A copy of this booklet is enclosed in every carton and bag of Vaughan's lawn seed mixtures.

**For Your Protection**—Always remember that we neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination, identity and freedom from weeds.

## VAUGHAN'S "COLUMBIAN"

### Formula for Shady Lawns or Sandy Soil

In making a lawn on sandy soil or in partial shade, conditions are met which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, 1 lb., \$1.50; 2 lbs., \$3.00; 3 lbs., \$4.45; 5 lbs., \$7.35; 10 lbs., \$14.50; 15 lbs., \$21.65; 20 lbs., \$28.75; 25 lbs., \$35.75; 100 lbs., \$139.00.

## VAUGHAN'S DENSE SHADE FORMULA

An exceptional formula which is particularly adapted to heavily shaded areas and will also do well in lighter shade. We have spared no care or expense to make this lawn seed the best obtainable for the purpose. Does not contain clover.

Price, 1 lb., \$1.35; 2 lbs., \$2.70; 3 lbs., \$4.00; 5 lbs., \$6.60; 10 lbs., \$13.00; 15 lbs., \$19.40; 20 lbs., \$25.75; 25 lbs., \$32.00; 100 lbs., \$124.00.

## VAUGHAN'S EXCEL MIXTURE

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Parks." In spite of its low price, this blend does not contain timothy. Sow at the rate of 1 lb. to every 200 sq. ft. Begin cutting when grass is 3 to 4 inches high and continue to cut regularly to keep turf fine. Price, 1 lb., \$1.10; 3 lbs., \$3.25; 5 lbs., \$5.35; 10 lbs., \$10.50; 15 lbs., \$15.65; 20 lbs., \$20.75; 25 lbs., \$25.75; 100 lbs., \$99.00.

**Quantity to Use**—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 150 lbs. for one acre. To replenish lawns where turf is thin, use half quantity.

## Fancy Kentucky Blue Grass POA PRATENSIS

**FANCY SEED**, actual weight, 21 lbs. per bu. (Standard grade of recleaned blue grass.) Price, 1 lb., \$2.50; 2 lbs., \$5.00; 3 lbs., \$7.45; 5 lbs., \$12.35; 10 lbs., \$24.00; 15 lbs., \$35.00; 20 lbs., \$46.00; 25 lbs., \$57.50; 50 lbs., \$112.50.

## RED TOP GRASS (Agrostis alba)

**EXTRA FANCY**, recleaned solid seed. Price, 1 lb., \$1.50; 2 lbs., \$3.00; 3 lbs., \$4.45; 5 lbs., \$7.35; 10 lbs., \$14.50; 15 lbs., \$21.65; 20 lbs., \$35.75; 50 lbs., \$75.00.

## WHITE CLOVER

**EXTRA FANCY SEED**. Price,  $\frac{1}{4}$  lb., 45c;  $\frac{1}{2}$  lb., 80c; 1 lb., \$1.50; 2 lbs., \$3.00; 3 lbs., \$4.45; 5 lbs., \$7.25; 10 lbs., \$14.25; 15 lbs., \$21.00; 20 lbs., \$27.40; 25 lbs., \$33.25.

## NEW ZEALAND WHITE CLOVER

Price,  $\frac{1}{4}$  lb., \$1.10; 1 lb., \$2.00; 3 lbs., \$5.85; 5 lbs., \$9.50; 10 lbs., \$18.00; 25 lbs., \$43.75

All Grasses and Field Seed Prices are Subject to Change Without Notice.

## S119 ARASAN

All grass seed sown in the spring benefits from treatment with a fungicide which enables it to resist diseases which are especially threatening in cold damp weather. S-119 Arasan is recommended as a safe and effective fungicide. Price,  $\frac{3}{4}$  oz., treats 10 lbs. of grass seed, prepaid 25c; 8 oz., treats 100 lbs. of grass seed, \$1.00, prepaid.



## BENT LAWNS FROM CERTIFIED SEED

Ask for Our Bent Leaflet

Bent grasses are increasingly popular for lawns, especially in cities where lawns are small in area and extra care is not burdensome.

Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft.

**ASTORIA BENT**. Astoria Bent is identified by its numerous rootstocks which spread underground and throw up new shoots, making a very thick turf, and by the presence of runners above ground in the early stages of development. This Bent has a good color and is excellent as both a lawn and putting green grass. It does not require as much cutting as Creeping Bent.

**SEASIDE BENT**. This is a true unmixed Creeping Bent grass seed which spreads by surface runners instead of by the underground root stalks which characterize the Astoria Bent.

Our Bent Leaflet Is Included in Each Bag

**ASTORIA BENT GRASS**.  $\frac{1}{2}$  lb., \$1.00; 1 lb., \$1.75; 2 lbs., \$3.50; 3 lbs., \$5.20; 5 lbs., \$8.50; 10 lbs., \$16.75; 15 lbs., \$24.75; 20 lbs., \$32.60; 25 lbs., \$40.00.

**SEASIDE CREEPING BENT GRASS**.  $\frac{1}{2}$  lb., 95c; 1 lb., \$1.70; 2 lbs., \$3.40; 3 lbs., \$5.05; 5 lbs., \$8.25; 10 lbs., \$16.25; 15 lbs., \$24.00; 20 lbs., \$31.60; 25 lbs., \$38.75.

## Fescues

**CHEWING'S FESCUE**. This grass is valuable on sandy soils and in shade. Chewing's Fescue is a perennial with a fine blade and a spreading root system. Sow with the either Spring or Fall (last week in August or the first week in September) at the rate of 5 lbs. to 1,000 sq. ft. Price, 1 lb., \$1.30; 2 lbs., \$2.60; 3 lbs., \$3.85; 5 lbs., \$6.35; 10 lbs., \$12.50; 15 lbs., \$18.65; 20 lbs., \$24.75; 25 lbs., \$30.75; 50 lbs., \$52.00

**PENN STATE CHEWING'S FESCUE**. An improved variety developed by Penn State College, 1 lb., \$1.40; 3 lbs., \$4.15; 5 lbs., \$6.85; 10 lbs., \$13.50; 25 lbs., \$33.25; 50 lbs., \$57.00.

**CREEPING RED FESCUE**. One of the best fescues obtainable, it spreads from the roots, making a dense turf which tends to crowd out weeds. Does well in shade and is good on sandy soil. Price, 1 lb., \$1.30; 2 lbs., \$2.60; 3 lbs., \$3.85; 5 lbs., \$6.35; 10 lbs., \$12.50; 15 lbs., \$18.65; 20 lbs., \$24.75; 25 lbs., \$30.75; 50 lbs., \$52.00.

**ALTA FESCUE**. This recent development has a very deep root system and is drought resistant. It stands up under traffic and though coarse is excellent for athletic fields, airports, roadsides, playgrounds and lawns where there is heavy traffic. 1 lb., 60c; 5 lbs., \$2.85; 10 lbs., \$5.50; 25 lbs., \$12.50.

**POA TRIVIALIS (Rough Blue Grass)**  
A grass for moist, shady spots. 1 lb., \$1.50; 2 lbs., \$3.00; 3 lbs., \$4.45; 5 lbs., \$7.35; 10 lbs., \$14.50; 15 lbs., \$21.65; 20 lbs., \$28.75; 25 lbs., \$35.75; 50 lbs., \$70.00.

## Miscellaneous

**TIMOTHY (PHLEUM PRATENSE)**. Most popular of all hay grasses. Vaughan's Fancy seed, 100% pure or better. Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.10; 5 lbs., \$1.50—Postpaid 15c Freight collect,  $\frac{1}{2}$  lb. bu., \$6.00; 1 bu., (45 lbs.) \$11.00; 100 lbs., \$24.00. Grain bags included.

Let us help you solve your lawn and golf grass problems. Advice gladly given on handling fertilizer problems, and combating insect and disease attacks.

## Rye Grasses

Use all rye grasses at the rate of 30 to 40 lbs. per acre for pastures and 5 to 7 lbs. per 1000 sq. ft. for lawns. Sow either fall or spring.

**ENGLISH OR PERENNIAL RYE GRASS (LOLIUM PERENNE)**. A lawn grass where quick results are wanted. Price, 1 lb., 40c; 2 lbs., 80c; 3 lbs., \$1.15; 5 lbs., \$1.85; 10 lbs., \$3.50; 15 lbs., \$5.15; 20 lbs., \$6.70; 25 lbs., \$8.25; 50 lbs., \$16.00; 100 lbs., \$30.00.

**COMMON RYE GRASS**. The Italian type of rye grass, grown in this country. An annual, generally lasting a second year. Develops rapidly. Used in the south for Winter lawn grass. Sow in October in the south, preferably Spring in the north. Price: 1 lb., 30c; 2 lbs., 60c; 3 lbs., 85c; 5 lbs., \$1.35; 10 lbs., \$2.50; 15 lbs., \$3.65; 25 lbs., \$5.75; 50 lbs., \$10.00.

## BIRD SEED

**RAPE**. Large—sweet (not bitter like the small black). 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.50

**SUNFLOWER**. 1 lb., 45c; 5 lbs., \$1.95; 10 lbs., \$3.65; 25 lbs., \$7.70.

**CANARY SEED**. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95

**VAUGHAN'S CANARY MIXTURE**. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95.

**FINCH SEED**. 1 lb., 35c; 5 lbs., \$1.40; 10 lbs., \$2.60.

**PARAKEET SEED**. 1 lb., 40c; 5 lbs., \$1.70; 10 lbs., \$3.15; 25 lbs., \$6.95

**VAUGHAN'S WILD BIRD FEEDING MIXTURE**. (As recommended by the Illinois Audubon Society.) 1 lb., 30c; 2 lbs., 50c; 5 lbs., \$1.00; 10 lbs., \$1.80; 25 lbs., \$4.10; 100 lbs., \$14.00.

All Prices Prepaid within 500 Miles of Chicago; Otherwise Collect.

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Explanation of Table Below: Numbers prefixed with **B**, Bulbs; **P**, Plants; **R**, Roots; **S**, Seeds.

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# GLAMOROUS BEGONIAS

What other plant can you grow which will bear flowers like the illustration, not once, but all summer long? Add to that, they demand light shade, of which we all have plenty and which few other flowers even tolerate. Enthusiastic letters from customers tell of their delight, such as this one Aug. 24, 1953 from C.G.M., Aurora, Ill., who says: "The Glamorous Begonias I ordered in March were prettier than your picture. Beautiful clusters, the dark red was a dream, in fact all colors, white, red, pink, orange and yellow."

They are not difficult to grow when given their simple requirements as to soil, light, temperature and water. On the contrary, they are among the easiest of all flowers for the amateur to start under protection and move outdoors to a selected place prepared for them.

**20 Imported Tubers \$2.00  
4 each of 5 Colors**

THESE ARE THE COLORS:

**Red, White, Pink, Orange, Yellow**

All Tubers  $1\frac{1}{4}$ - $1\frac{1}{2}$  Inches in Diameter, Each Color Separately Bagged and Labeled

They will thrive in a shady place, where you have difficulty growing other flowers. They not only beautify the garden, but their cut blooms are long-lasting and spectacular in bowl arrangements. Begonia corsages have begun to rival orchids in popularity. National magazines have published color pictures of their gorgeous blooms.

If the simple formula of their culture which we supply is followed, they will reward you more bountifully than any other flower you can grow, bearing throughout the summer flowers which increase in size and beauty, until frosts kill the plants in the fall. The tubers can then be lifted and kept over winter, as easy as gladiolus bulbs.

**SPECIAL OFFER 8 Mixed for \$1.00.**



VALERIA



SPOTLIGHT



RAVEL



PACTOLUS

## VAUGHAN'S FAMOUS

# *Rainbow Garden of Gladioli*

Fifty-six flowering size bulbs, 8 each of the 7 outstanding varieties. **\$2**  
Each variety separately bagged and labeled. Prepaid 600 miles for

### This Is Not a Mixture

It is a collection of 7 of the most beautiful gladioli, so far excelling ordinary varieties there is no comparison. Bulbs of each variety come separately bagged and labeled by name. You receive 7 bags of bulbs, can plant them in a studied arrangement, tell your admiring friends their correct names, and exhibit them by name in your local flower show. All bulbs are of flowering size, young and vigorous, the kind we use to grow exhibition flowers. Every bulb will flower if planted according to directions. They will also multiply and produce a crop of new bulbs for planting next year. Your purchase will be a long-term investment in gladiolus beauty.

We take pride in making our Rainbow Garden of gladioli the greatest value available to home gardeners.

### WHAT OUR CUSTOMERS SAY ABOUT RAINBOW GLADIOLI

Kenosha, Wis., Oct. 5

This spring I bought your Rainbow Collection of Gladioli. I dug a trench 8 inches deep, 6 inches wide and placed in the bottom a mixture of compost, peat moss and 0-20-20 fertilizer. After 3 days I planted the bulbs in the soil removed from the trench, and as they grew fed them with soluble plant food, and watered heavily. When they bloomed I had magnificence in my garden. Some of the stems grew 6 feet tall loaded with flowers, some 5 inches across. Several had 24 florets. C.F.H.

Fond du Lac, Wis. April 13

I have always had good luck with your bulbs and seeds, having had Glads 4 1/2 feet in height and up to 7 inches across for the blossoms. R.E.G.

Malvern Ark., Jan. 13

Your Gladioli were wonderful. We had the Rainbow Collection, the neighbors said they had never seen so many lovely colors. Mrs. F.P.

### These are the Varieties

**ELIZABETH THE QUEEN** (White). Ex. Beautiful ruffled lavender, best of its color.

**FLORENCE NIGHTINGALE**. (Harris) Outstanding new white from Canada. Opens 8 well placed florets on tall, straight spike.

**PACTOLUS** (K&M) Bright orange, medium height, opening 8 to 10 florets together. Exceedingly showy.

**RAVEL** (K&M) Clear medium blue with purplish blotch. One of the best blues and a good winner at Holland flower shows.

**SPIC AND SPAN** (Carlson). Giant deep pink, ruffled florets, big winner at shows.

**SPOTLIGHT** (Palmer). Spectacular yellow, winner at big shows.

**VALERIA** (Pruitt) Graceful spike with five to seven large soft red ruffled florets open together.

White Pigeon, Mich. Jan. 28  
I bought Gladiolus bulbs of you two seasons and I have never seen such large, beautiful flowers. The stalks were nearly 5 feet in height, of which over half was the flower spike. Everyone who saw the flowers said they were unusually large. Mrs. G.R.

Clifton Springs, N.Y. April 17  
The 1952 Glad collection was wonderful beyond comparison. All our available space now filled, don't know where we can put the 1953 collection but have got to have it or we may miss a new color. L.G.W.

Streator, Ill., May 14  
I want to enter your Gladioli in the Garden Club show. I have had many Glads from your store and have had wonderful blooms from them. I thought some new bulbs might win me a prize. Mrs. L.S.

### Beautiful Gloxinias



TYPICAL GLOXINIA FLOWERS

Imported Tubers, 1 1/2 to 2 inches in diameter, Each 40c; 3 for \$1.10; doz., \$4.00 prepaid.

Modern gloxinias are surpassed in beauty by few flowers. Their large bell-shaped blossoms are beautifully colored, in red, pink and blue tones, sometimes edged with white. The colors have exceptional depth and richness. Gloxinias can be grown from tubers which resemble those of Tuberous Rooted Begonias and require similar culture outdoors. They can be flowered in pots in the house, or started indoors and moved to the garden when danger of frost is over. They like a porous soil, well drained, in light shade outdoors, but full winter sun indoors. You may select from the following color groups:

Red	Red and White
Blue	Blue and White
Pink	Pure White

Your order must be received so that shipment can be made before March 15, 1954.